

09/879,854

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PASSWORD:

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NEWS 7 DEC 21 IPC search and display fields enhanced in CA/CAplus with the  
IPC reform  
NEWS 8 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/  
USPAT2  
NEWS 9 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB  
NEWS 10 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to  
INPADOC  
NEWS 11 JAN 17 Pre-1988 INPI data added to MARPAT  
NEWS 12 JAN 17 IPC 8 in the WPI family of databases including WPIFV

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CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
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<http://download.cas.org/express/v8.0-Discover/>

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(FILE 'HOME' ENTERED AT 21:44:22 ON 20 JAN 2006)

=> file registry  
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|                     |               |                 |
|---------------------|---------------|-----------------|
| FULL ESTIMATED COST | ENTRY<br>0.21 | SESSION<br>0.21 |
|---------------------|---------------|-----------------|

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TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

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\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

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predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\09879854.str

L1 STRUCTURE uploaded

|                      |            |         |
|----------------------|------------|---------|
| => file caplus       | SINCE FILE | TOTAL   |
| COST IN U.S. DOLLARS | ENTRY      | SESSION |
| FULL ESTIMATED COST  | 0.44       | 0.65    |

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FILE COVERS 1907 - 20 Jan 2006 VOL 144 ISS 5  
FILE LAST UPDATED: 19 Jan 2006 (20060119/ED)

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<http://www.cas.org/infopolicy.html>

| => file registry     | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| COST IN U.S. DOLLARS |                  |               |
| FULL ESTIMATED COST  | 0.46             | 1.11          |

FILE 'REGISTRY' ENTERED AT 21:44:59 ON 20 JAN 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 18 JAN 2006 HIGHEST RN 872163-75-2  
DICTIONARY FILE UPDATES: 18 JAN 2006 HIGHEST RN 872163-75-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

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\*\*\*\*\*  
\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 11  
SAMPLE SEARCH INITIATED 21:45:03 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 5136 TO ITERATE

38.9% PROCESSED 2000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

4 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 98423 TO 107017  
PROJECTED ANSWERS: 13 TO 397

L2 4 SEA SSS SAM L1

=> s 11 full  
FULL SEARCH INITIATED 21:45:11 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 103678 TO ITERATE

100.0% PROCESSED 103678 ITERATIONS 79 ANSWERS  
SEARCH TIME: 00.00.01

L3 79 SEA SSS FUL L1

=> file caplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
SESSION  
FULL ESTIMATED COST 166.94 168.05

FILE 'CAPLUS' ENTERED AT 21:45:15 ON 20 JAN 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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=> s 13 and (hepatitis hbv hiv hcv flavivirus)  
466 L3  
50960 HEPATITIS  
8505 HBV  
59 HBVS  
8521 HBV  
(HBV OR HBVS)  
64202 HIV  
94 HIVS  
64217 HIV  
(HIV OR HIVS)  
10128 HCV  
19 HCVS  
10132 HCV  
(HCV OR HCVS)  
1291 FLAVIVIRUS  
649 FLAVIVIRUSES  
1506 FLAVIVIRUS  
(FLAVIVIRUS OR FLAVIVIRUSES)  
0 HEPATITIS HBV HIV HCV FLAVIVIRUS

L4 (HEPATITIS (W) HBV (W) HIV (W) HCV (W) FLAVIVIRUS)  
0 L3 AND (HEPATITIS HBV HIV HCV FLAVIVIRUS)

=> s 13 and (hepatitis or hbv or hiv or hcv or flavivirus)

466 L3  
50960 HEPATITIS  
8505 HBV  
59 HBVS  
8521 HBV  
(HBV OR HBVS)  
64202 HIV  
94 HIVS  
64217 HIV  
(HIV OR HIVS)  
10128 HCV  
19 HCVS  
10132 HCV  
(HCV OR HCVS)  
1291 FLAVIVIRUS  
649 FLAVIVIRUSES  
1506 FLAVIVIRUS  
(FLAVIVIRUS OR FLAVIVIRUSES)

L5 151 L3 AND (HEPATITIS OR HBV OR HIV OR HCV OR FLAVIVIRUS)

=> s 13 and (hiv or hbv)

466 L3  
64202 HIV  
94 HIVS  
64217 HIV  
(HIV OR HIVS)  
8505 HBV  
59 HBVS  
8521 HBV  
(HBV OR HBVS)

L6 129 L3 AND (HIV OR HBV)

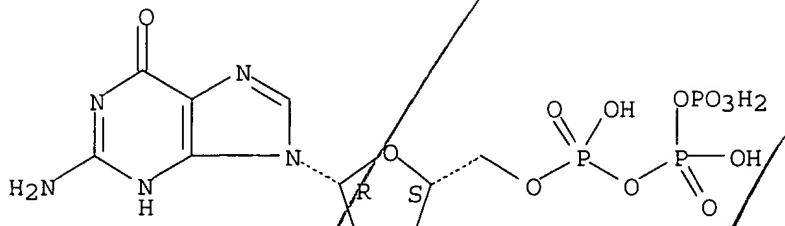
=> d bib hitstr 1-20 16

L6 ANSWER 1 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:1211525 CAPLUS  
DN 143:472549  
TI Phosphoglycerate mutases and enzyme products for therapeutic use, and screening method for therapeutic compounds  
IN Engel, Matthias; Eigenbrodt, Erich; Mazurek, Sybille; Welter, Cornelius  
PA Germany  
SO Eur. Pat. Appl., 32 pp.  
CODEN: EPXXDW  
DT Patent  
LA German  
FAN.CNT 1  

|      | PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|------|--|------|----------|-----------------|----------|
| PI   | EP 1595957   | A1   | 20051116 | EP 2004-11247   | 20040512 |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR |      |          |                 |          |
| PRAI | EP 2004-11247  |      | 20040512 |                 |          |
| IT   | 68726-28-3   |      |          |                 |          |
|      | RL: BUU (Biological use, unclassified); BIOL (Biological study); USES<br>(Uses)  |      |          |                 |          |
|      | (phosphoglycerate mutases and enzyme products for therapeutic use, and<br>screening method for therapeutic compds.)                      |      |          |                 |          |
| RN   | 68726-28-3 CAPLUS  |      |          |                 |          |
| CN   | Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  |      |          |                 |          |

NAME)

Absolute stereochemistry.



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:345750 CAPLUS  
DN 143:55590

TI The N137 and P140 amino acids in the p51 and the P95 amino acid in the p66 subunit of human immunodeficiency virus type 1 (**HIV-1**) reverse transcriptase are instrumental to maintain catalytic activity and to design new classes of anti-**HIV-1** drugs

AU Auwerx, Joeri; Van Nieuwenhove, Joke; Rodriguez-Barrios, Fatima; de Castro, Sonia; Velazquez, Sonsoles; Ceccherini-Silberstein, Francesca; De Clercq, Erik; Camarasa, Maria-Jose; Perno, Carlo-Federico; Gago, Federico; Balzarini, Jan

CS Rega Institute for Medical Research, K.U. Leuven, Louvain, B-3000, Belg.  
SO FEBS Letters (2005), 579(11), 2294-2300  
CODEN: FEBLAL; ISSN: 0014-5793

PB Elsevier B.V.

DT Journal

LA English

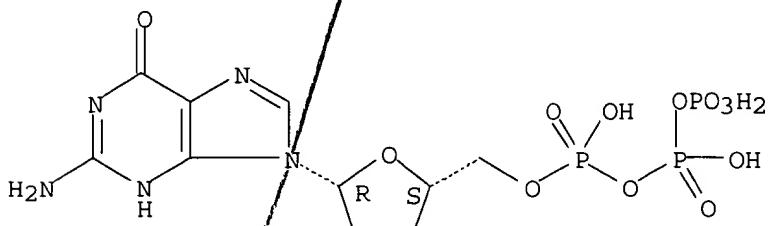
IT 68726-28-3, DdGTP

RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(structural components of **HIV-1** reverse transcriptase that are instrumental to maintain catalytic activity and to design of new classes of anti-**HIV-1** drugs)

RN 68726-28-3 CAPLUS

CN Guanosine 5'- (tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:229594 CAPLUS  
DN 142:441324

TI In vitro activity of structurally diverse nucleoside analogs against human

immunodeficiency virus type 1 with the K65R mutation in reverse transcriptase

AU Parikh, Urvi M.; Koontz, Dianna L.; Chu, Chung K.; Schinazi, Raymond F.; Mellors, John W.

CS Division of Infectious Diseases, Department of Medicine, University of Pittsburgh School of Medicine, Pittsburgh, PA, 15261, USA

SO Antimicrobial Agents and Chemotherapy (2005), 49(3), 1139-1144  
CODEN: AMACQ; ISSN: 0066-4804

PB American Society for Microbiology

DT Journal

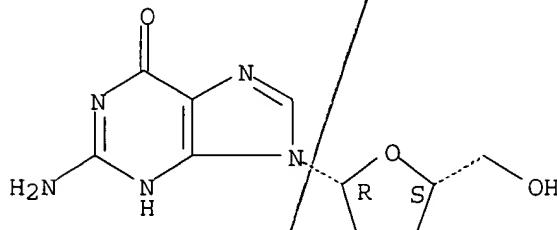
LA English

IT 85326-06-3, 2',3'-Dideoxyguanosine  
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(in vitro activity of structurally diverse nucleoside analogs against human immunodeficiency virus type 1 with the K65R mutation in reverse transcriptase)

RN 85326-06-3 CAPLUS

CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:168797 CAPLUS  
DN 142:430479  
TI Synthesis of 2',3'-Dideoxynucleoside 5'- $\alpha$ -P-Borano- $\beta$ , $\gamma$ -(difluoromethylene)triphosphates and Their Inhibition of HIV-1 Reverse Transcriptase

AU Boyle, Nicholas A.; Rajwanshi, Vivek K.; Prhavc, Marija; Wang, Guangyi; Fagan, Patrick; Chen, Fu; Ewing, Gregory J.; Brooks, Jennifer L.; Hurd, Tiffany; Leeds, Janet M.; Bruice, Thomas W.; Cook, P. Dan

CS Research Laboratories, Biota Inc., Carlsbad, CA, 92008, USA

SO Journal of Medicinal Chemistry (2005), 48(7), 2695-2700  
CODEN: JMCMAR; ISSN: 0022-2623

PB American Chemical Society

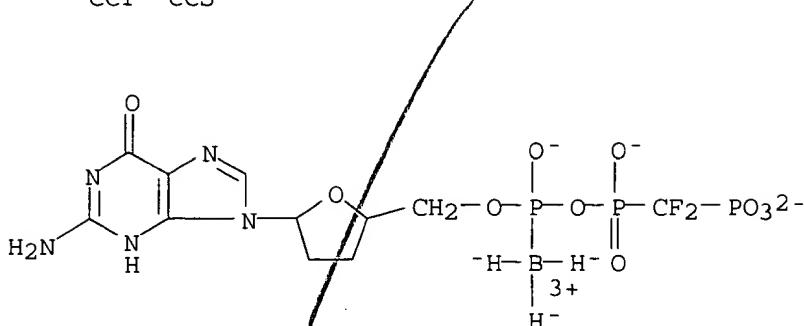
DT Journal

LA English

IT 850514-26-0P  
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(synthesis of dideoxynucleoside boranodifluoromethylenetriphosphates and their HIV-1 reverse transcriptase inhibitory activity)

RN 850514-26-0 CAPLUS  
CN Borate(4-), [2',3'-dideoxyguanosine 5'-(phosphite- $\kappa$ P)  
(difluoromethylene)bis[phosphonic] monoanhydridato(4-)]trihydro-, (T-4)-, tetrahydrogen, compd. with N,N-diethylethanamine (1:4) (9CI) (CA INDEX NAME)

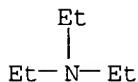
CRN 850514-25-9  
CMF C11 H15 B F2 N5 O10 P3 . 4 H  
CCI CCS



● 4 H<sup>+</sup>

CM 2

CRN 121-44-8  
CMF C6 H15 N



RE.CNT 21

THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:99157 CAPLUS  
DN 142:170033  
TI Methods and compositions for the treatment or prevention of human immunodeficiency virus and related conditions using cyclooxygenase-2 selective inhibitors and antiviral agents

IN Maziasz, Timothy

PA USA

SO U.S. Pat. Appl. Publ., 172 pp.  
CODEN: USXXCO

DT Patent  
LA English

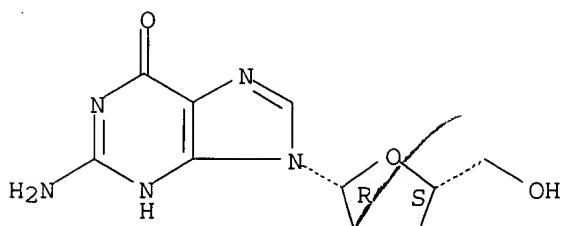
FAN.CNT 1

| PATENT NO.           | KIND | DATE     | APPLICATION NO. | DATE     |
|----------------------|------|----------|-----------------|----------|
| PI US 2005026902     | A1   | 20050203 | US 2004-769485  | 20040130 |
| PRAI US 2003-443910P | P    | 20030131 |                 |          |
| OS MARPAT 142:170033 |      |          |                 |          |

IT 85326-06-3, 2',3'-Dideoxyguanosine 107550-73-2  
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(methods and compns. for treatment or prevention of HIV infection and related conditions using cyclooxygenase-2 selective inhibitors and antiviral agents)

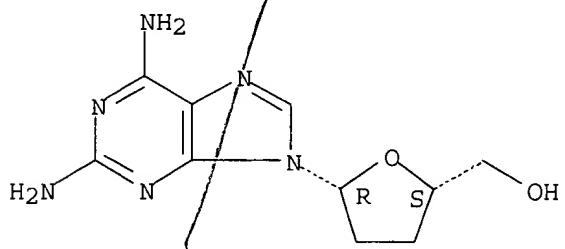
RN 85326-06-3 CAPLUS  
CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



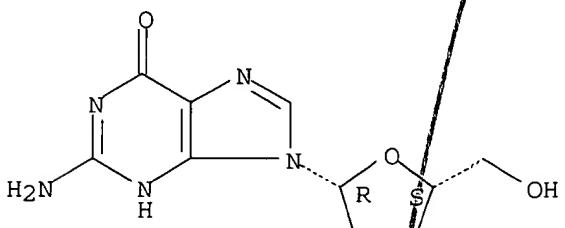
RN 107550-73-2 CAPLUS  
 CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



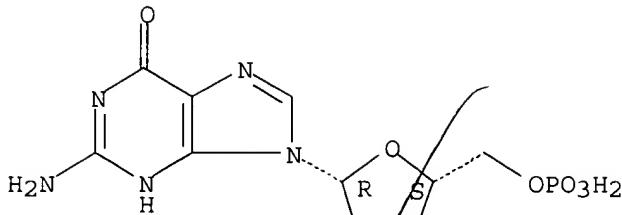
L6 ANSWER 6 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:997838 CAPLUS  
 DN 142:316123  
 TI Ligand.Info small-molecule meta-Database  
 AU von Grotthuss, Marcin; Koczyk, Grzegorz; Pas, Jakub; Wyrwicz, Lucjan S.; Rychlewski, Leszek  
 CS BioInfoBank Institute, Poznan, 60-744, Pol.  
 SO Combinatorial Chemistry and High Throughput Screening (2004), 7(8), 757-761  
 CODEN: CCHSFU; ISSN: 1386-2073  
 PB Bentham Science Publishers Ltd.  
 DT Journal  
 LA English  
 IT 85326-06-3, Dideoxyguanosine 85956-71-4  
 RL: BUU (Biological use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (development of small-mol. meta-database)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 85956-71-4 CAPLUS  
 CN 5'-Guanylic acid, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

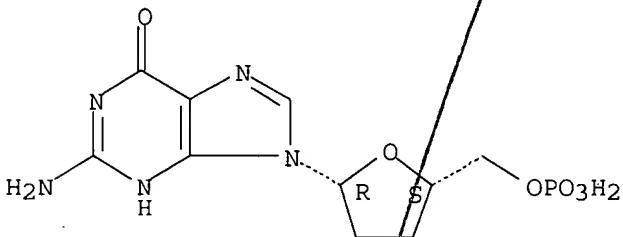
Absolute stereochemistry.



RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 7 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:884386 CAPLUS  
 DN 142:69770  
 TI Effects of Primer-Template Sequence on ATP-dependent Removal of Chain-terminating Nucleotide Analogues by **HIV-1** Reverse Transcriptase  
 AU Meyer, Peter R.; Smith, Anthony J.; Matsuura, Suzanne E.; Scott, Walter A.  
 CS Department of Biochemistry and Molecular Biology, University of Miami School of Medicine, Miami, FL, 33136-1015, USA  
 SO Journal of Biological Chemistry (2004), 279(44), 45389-45398  
 CODEN: JBCHA3; ISSN: 0021-9258  
 PB American Society for Biochemistry and Molecular Biology  
 DT Journal  
 LA English  
 IT 85956-71-4, 2',3'-Dideoxy-GMP  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (effects of primer-template sequence on ATP-dependent removal of chain-terminating nucleotide analogs by **HIV-1** reverse transcriptase)  
 RN 85956-71-4 CAPLUS  
 CN 5'-Guanylic acid, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

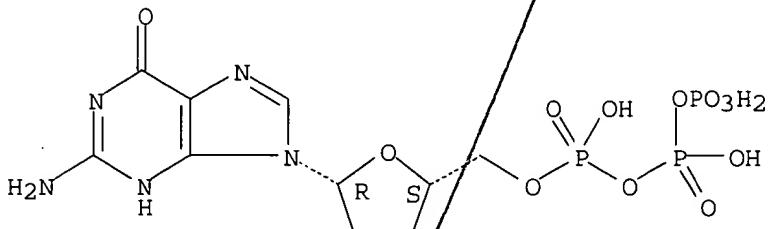


RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 8 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:590274 CAPLUS  
 DN 141:235730  
 TI The phenylmethylthiazolylthiourea nonnucleoside reverse transcriptase (RT) inhibitor MSK-076 selects for a resistance mutation in the active site of human immunodeficiency virus type 2 RT  
 AU Auwerx, Joeri; Stevens, Miguel; Van Rompay, An R.; Bird, Louise E.; Ren, Jingshan; De Clercq, Erik; Oeberg, Bo; Stammers, David K.; Karlsson, Anna; Balzarini, Jan  
 CS Rega Institute for Medical Research, K. U. Leuven, Louvain, B-3000, Belg.  
 SO Journal of Virology (2004), 78(14), 7427-7437  
 CODEN: JOVIAM; ISSN: 0022-538X

PB American Society for Microbiology  
 DT Journal  
 LA English  
 IT 68726-28-3, DdGTP  
 RL: BSU (Biological study, unclassified); PAC (Pharmacological activity);  
 BIOL (Biological study)  
 (PETT NNRTI inhibitor MSK-076 selects for resistance mutation in active  
 site of HIV-2 RT)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  
 NAME)

Absolute stereochemistry.



RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 9 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:490275 CAPLUS  
 DN 141:59691  
 TI Systemic delivery of antiviral agents  
 IN Ashton, Paul; Chen, Jianbing; Smith, Thomas J.  
 PA Control Delivery Systems, Inc., USA  
 SO U.S. Pat. Appl. Publ., 37 pp., Cont.-in-part of U.S. Ser. No. 96,877.  
 CODEN: USXXCO

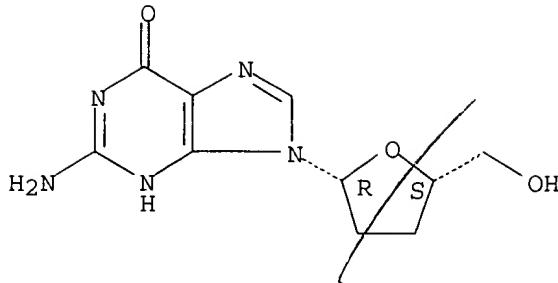
DT Patent  
 LA English  
 FAN.CNT 13

|      | PATENT NO.      | KIND | DATE     | APPLICATION NO. | DATE     |
|------|-----------------|------|----------|-----------------|----------|
| PI   | US 2004115268   | A1   | 20040617 | US 2003-713336  | 20031113 |
|      | US 6375972      | B1   | 20020423 | US 2000-558207  | 20000426 |
|      | US 2002102307   | A1   | 20020801 | US 2002-96877   | 20020314 |
|      | US 2005186279   | A1   | 20050825 | US 2005-81142   | 20050315 |
| PRAI | US 2000-558207  | A1   | 20000426 |                 |          |
|      | US 2002-96877   | A2   | 20020314 |                 |          |
|      | US 2002-425943P | P    | 20021113 |                 |          |

IT 85326-06-3, 2',3'-Dideoxyguanosine  
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL  
 (Biological study); USES (Uses)  
 (systemic delivery of antiviral agents)

RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

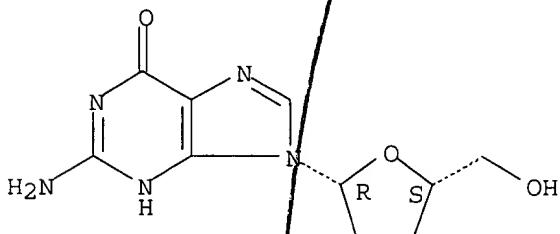
Absolute stereochemistry.



L6 ANSWER 10 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:430732 CAPLUS  
 DN 140:428994  
 TI Sustained release drug delivery system for antiviral agents and methods for antiviral therapy  
 IN Ashton, Paul; Chen, Jianbing; Smith, Thomas J.  
 PA Control Delivery Systems, Inc., USA  
 SO PCT Int. Appl., 85 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 13

|      | PATENT NO.   | KIND  | DATE     | APPLICATION NO. | DATE     |
|------|--|---|----------|-----------------|----------|
| PI   | WO 2004043435  | A2  | 20040527 | WO 2003-US36637 | 20031113 |
|      | WO 2004043435  | A3  | 20040708 |                 |          |
|      | W:   | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,<br>CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,<br>GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,<br>LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,<br>NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,<br>TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |          |                 |          |
|      | RW:  | BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,<br>BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,<br>ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,<br>TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG   |          |                 |          |
| PRAI | US 2002-425943P  | P   | 20021113 |                 |          |
| IT   | <b>85326-06-3</b> , 2',3'-Dideoxyguanosine   |   |          |                 |          |
| RL:  | THU (Therapeutic use); BIOL (Biological study); USES (Uses)<br>(sustained release drug delivery system for antiviral agents and methods for antiviral therapy) |   |          |                 |          |
| RN   | 85326-06-3 CAPLUS  |   |          |                 |          |
| CN   | Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)  |   |          |                 |          |

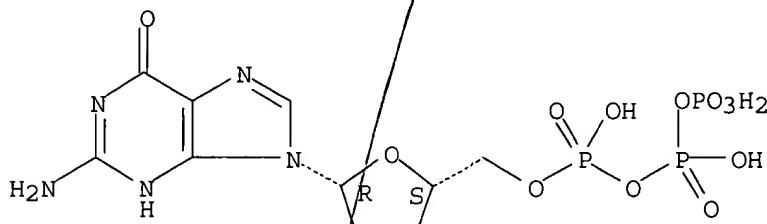
Absolute stereochemistry.



L6 ANSWER 11 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:284219 CAPLUS  
 DN 140:368153  
 TI Susceptibility of feline immunodeficiency virus/human immunodeficiency virus type 1 reverse transcriptase chimeras to non-nucleoside RT

inhibitors  
 AU Auwerx, Joeri; Esnouf, Robert; De Clercq, Erik; Balzarini, Jan  
 CS Rega Institute for Medical Research, Katholieke Universiteit Leuven,  
 Louvain, Belg.  
 SO Molecular Pharmacology (2004), 65(1), 244-251  
 CODEN: MOPMA3; ISSN: 0026-895X  
 PB American Society for Pharmacology and Experimental Therapeutics  
 DT Journal  
 LA English  
 IT 68726-28-3, DdGTP  
 RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic  
 use); BIOL (Biological study); USES (Uses)  
 (susceptibility of feline immunodeficiency virus/human immunodeficiency  
 virus type 1 reverse transcriptase chimeras to non-nucleoside RT  
 inhibitors)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  
 NAME)

Absolute stereochemistry.



RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 12 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2002:327866 CAPLUS  
 DN 136:336185  
 TI Primers and methods for HIV sequencing and genotyping to detect  
 mutations in pol gene conferring drug resistance  
 IN Johnston-Dow, Leslie A.; Demeter, Lisa; White, Camille B.; Song, Keming;  
 Kohlenberger, Robert; Conrad, Morgan; Myers, Angela  
 PA USA  
 SO U.S., 12 pp.  
 CODEN: USXXAM

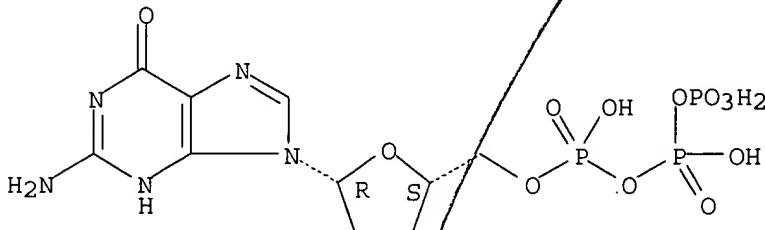
DT Patent  
 LA English  
 FAN.CNT 1

|      | PATENT NO.     | KIND | DATE     | APPLICATION NO. | DATE     |
|------|----------------|------|----------|-----------------|----------|
| PI   | US 6379957     | B1   | 20020430 | US 1998-158695  | 19980921 |
|      | US 6531588     | B1   | 20030311 | US 2002-92022   | 20020305 |
|      | US 2003219725  | A1   | 20031127 | US 2002-335059  | 20021231 |
|      | US 6806046     | B2   | 20041019 |                 |          |
|      | US 2005003350  | A1   | 20050106 | US 2004-915998  | 20040810 |
| PRAI | US 1998-158695 | A1   | 19980921 |                 |          |
|      | US 2002-92022  | A1   | 20020305 |                 |          |
|      | US 2002-335059 | A1   | 20021231 |                 |          |

IT 68726-28-3, 2',3'-DdGTP  
 RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)  
 (BigDye Terminators containing; primers and methods for HIV  
 sequencing and genotyping to detect mutations in pol gene conferring  
 drug resistance)  
 RN 68726-28-3 CAPLUS

CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 13 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2002:86745 CAPLUS

DN 137:235

TI Chimeric human immunodeficiency virus type 1 and feline immunodeficiency virus reverse transcriptases: role of the subunits in resistance/sensitivity to non-nucleoside reverse transcriptase inhibitors

AU Auwerx, Joeri; North, Thomas W.; Preston, Bradley D.; Klarmann, George J.; De Clercq, Erik; Balzarini, Jan

CS Rega Institute for Medical Research, Katholieke Universiteit Leuven, Louvain, Belg.

SO Molecular Pharmacology (2002), 61(2), 400-406  
CODEN: MOPMA3; ISSN: 0026-895X

PB American Society for Pharmacology and Experimental Therapeutics

DT Journal

LA English

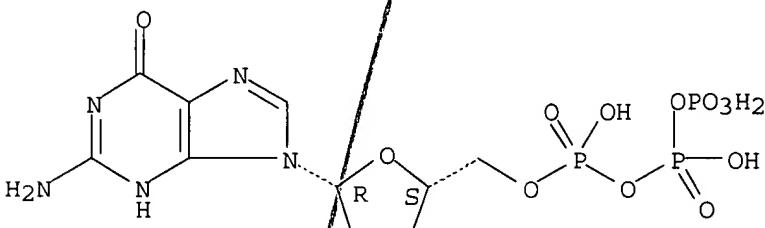
IT 68726-28-3, DdGTP

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(chimeric human immunodeficiency virus type 1 and feline immunodeficiency virus reverse transcriptases subunits role in resistance/sensitivity to non-nucleoside reverse transcriptase inhibitors)

RN 68726-28-3 CAPLUS

CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

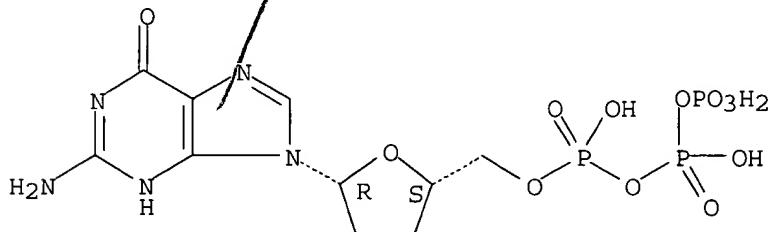
L6 ANSWER 14 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2001:591157 CAPLUS

DN 135:315251

TI Mutations at Amino Acid Positions 63, 189, and 396 of Human

Immunodeficiency Virus Type 1 Reverse Transcriptase (RT) Partially Restore  
 the DNA Polymerase Activity of a TRP229TYR Mutant RT  
 AU Pelemans, Heidi; Esnouf, Robert; Min, Kyung-Lyum; Parniak, Michael; De  
 Clercq, Erik; Balzarini, Jan  
 CS Rega Institute for Medical Research, Katholieke Universiteit Leuven,  
 Louvain, B-3000, Belg.  
 SO Virology (2001), 287(1), 143-150  
 CODEN: VIRLAX; ISSN: 0042-6822  
 PB Academic Press  
 DT Journal  
 LA English  
 IT 68726-28-3, DdGTP  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
 study, unclassified); BIOL (Biological study)  
 (sensitivity of wild-type and mutant forms of **HIV-1** reverse  
 transcriptase to inhibitory effects of NNRTIs and ddGTP)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  
 NAME)

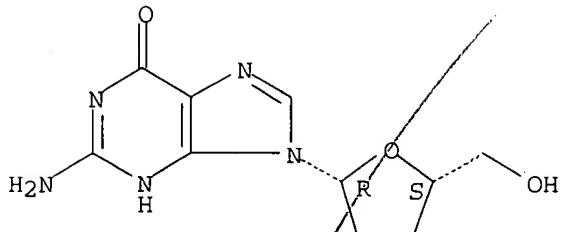
Absolute stereochemistry.



RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 15 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2001:455537 CAPLUS  
 DN 135:266684  
 TI Exploitation of the low fidelity of human immunodeficiency virus type 1 (**HIV-1**) reverse transcriptase and the nucleotide composition bias  
 in the **HIV-1** genome to alter the drug resistance development of  
**HIV**  
 AU Balzarini, Jan; Camarasa, Maria-Jose; Perez-Perez, Maria-Jesus; San-Felix,  
 Ana; Velazquez, Sonsoles; Perno, Carlo-Federico; De Clercq, Erik;  
 Anderson, John N.; Karlsson, Anna  
 CS Rega Institute for Medical Research, Katholieke Universiteit Leuven,  
 Louvain, B-3000, Belg.  
 SO Journal of Virology (2001), 75(13), 5772-5777  
 CODEN: JOVIAM; ISSN: 0022-538X  
 PB American Society for Microbiology  
 DT Journal  
 LA English  
 IT 85326-06-3, 2',3'-Dideoxyguanosine  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
 study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES  
 (Uses)  
 (exploitation of low fidelity of **HIV-1** reverse transcriptase  
 and nucleotide composition bias in the **HIV-1** genome to alter the  
 drug resistance development of **HIV**)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

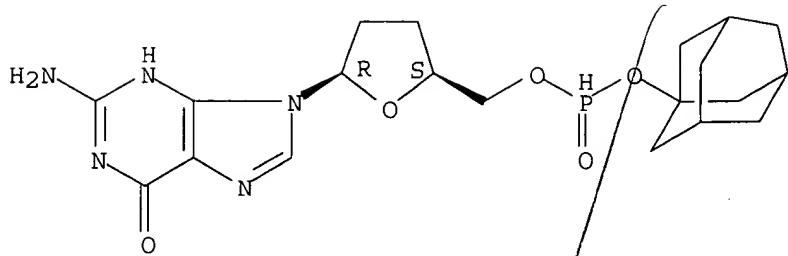


RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 16 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2001:115164 CAPLUS  
 DN 134:147805  
 TI Depot forms of modified nucleoside 5'-hydrogenphosphates as inhibitors of reproduction of human immunodeficiency virus and human hepatitis B virus  
 IN Shirokova, Elena A.; Khandazhynskaya, Anastasiya L.; Karpenko, Inna L.; Tarussova, Natalya B.; Krayevsky, Alexander A.  
 PA Adani, Alexander, Can.  
 SO PCT Int. Appl., 24 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

| PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|--|------|----------|-----------------|----------|
| PI WO 2001010882   | A1   | 20010215 | WO 2000-CA914   | 20000810 |
| WO 2001010882  | C2   | 20020829 |                 |          |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,<br>CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,<br>HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,<br>LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,<br>SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,<br>YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM<br>RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,<br>DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,<br>CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG |      |          |                 |          |
| PRAI US 1999-147820P   | P    | 19990810 |                 |          |
| OS MARPAT 134:147805   |      |          |                 |          |
| IT 322684-84-4P 322685-07-4P 322727-26-4P  |      |          |                 |          |
| RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)<br>(depot forms of modified nucleoside hydrogenphosphates as inhibitors of reproduction of human immunodeficiency virus and human hepatitis b virus)   |      |          |                 |          |
| RN 322684-84-4 CAPLUS  |      |          |                 |          |
| CN Phosphonic acid, [(2S,5R)-5-(2-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)tetrahydro-2-furanyl]methyl tricyclo[3.3.1.13,7]dec-1-yl ester (9CI)<br>(CA INDEX NAME)  |      |          |                 |          |

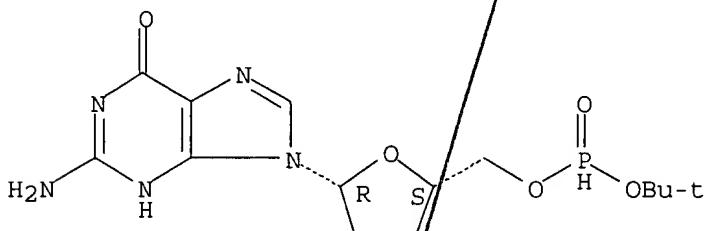
Absolute stereochemistry.



RN 322685-07-4 CAPLUS

CN Phosphonic acid, [(2S,5R)-5-(2-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)tetrahydro-2-furanyl]methyl 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

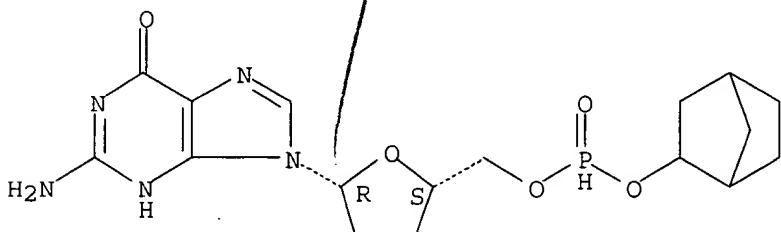
Absolute stereochemistry.



RN 322727-26-4 CAPLUS

CN Guanosine, 2',3'-dideoxy-, 5'-(bicyclo[2.2.1]hept-2-yl phosphonate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 17 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:93578 CAPLUS

DN 135:13916

TI Site-Directed Mutagenesis of Human Immunodeficiency Virus Type 1 Reverse Transcriptase at Amino Acid Position 138

AU Pelemans, Heidi; Aertsen, Abram; Van Laethem, Kristel; Vandamme, Anne-Mieke; De Clercq, Erik; Perez-Perez, Maria Jesus; San-Felix, Ana; Velazquez, Sonsoles; Camarasa, Maria-Jose; Balzarini, Jan

CS Rega Institute for Medical Research, Katholieke Universiteit Leuven, Louvain, B-3000, Belg.

SO Virology (2001), 280(1), 97-106

CODEN: VIRLAIX; ISSN: 0042-6822

PB Academic Press

DT Journal

LA English

IT 68726-28-3, DdGTP

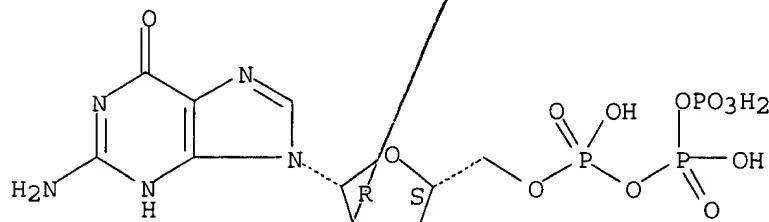
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(site-directed HIV1 reverse transcriptase mutation and drug resistance)

RN 68726-28-3 CAPLUS

CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 18 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2000:840871 CAPLUS

DN 134:159404

TI Role of Q190 of MuLV RT in ddNTP resistance and fidelity of DNA synthesis:  
a molecular model of interactions with substrates

AU Singh, Kamalendra; Kaushik, Neerja; Jin, Jin; Madhusudanan, Mohan; Modak, Mukund J.

CS Department of Biochemistry and Molecular Biology, UMD-New Jersey Medical School and Graduate School of Biomedical Sciences, Newark, NJ, 07103, USA

SO Protein Engineering (2000), 13(9), 635-643  
CODEN: PRENE9; ISSN: 0269-2139

PB Oxford University Press

DT Journal

LA English

IT 68726-28-3, DdGTP

RL: BPR (Biological process); BSU (Biological study, unclassified); PRP

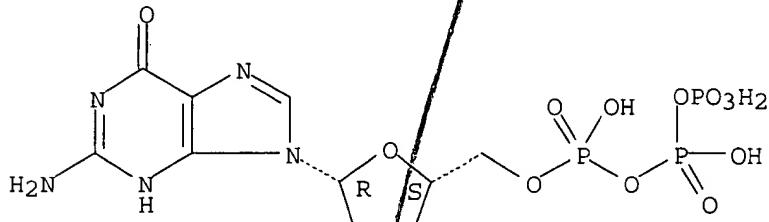
(Properties); BIOL (Biological study); PROC (Process)

(substrate utilization; mol. modeling study of the role of  
glutamine-190 of murine leukemia virus reverse transcriptase in ddNTP  
resistance and fidelity of DNA synthesis)

RN 68726-28-3 CAPLUS

CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 19 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:628025 CAPLUS

DN 133:232803

TI Pharmaceutical combination of dioxolane nucleosides and other antiviral compounds

IN Rando, Robert; Gu, Zhengxian

PA Biochem Pharma Inc., Can.

SO PCT Int. Appl., 66 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | WO 2000051641   | A1   | 20000908 | WO 2000-CA212   | 20000301 |
|      | W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PE, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM<br>RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG |      |          |                 |          |
|      | US 6511983  | B1   | 20030128 | US 2000-515328  | 20000229 |
|      | CA 2363982  | AA   | 20000908 | CA 2000-2363982 | 20000301 |
|      | EP 1159005  | A1   | 20011205 | EP 2000-907377  | 20000301 |
|      | EP 1159005  | B1   | 20031112 |                 |          |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO   |      |          |                 |          |
|      | JP 2002538171   | T2   | 20021112 | JP 2000-602307  | 20000301 |
|      | AT 253938   | E    | 20031115 | AT 2000-907377  | 20000301 |
|      | AU 771196   | B2   | 20040318 | AU 2000-28990   | 20000301 |
|      | AU 2000028990   | A5   | 20000921 |                 |          |
|      | ES 2208281  | T3   | 20040616 | ES 2000-907377  | 20000301 |
|      | US 2003045534   | A1   | 20030306 | US 2002-146027  | 20020516 |
|      | US 6887879  | B2   | 20050503 |                 |          |
| PRAI | US 1999-122480P   | P    | 19990301 |                 |          |
|      | US 2000-515328  | A3   | 20000229 |                 |          |
|      | WO 2000-CA212   | W    | 20000301 |                 |          |

OS MARPAT 133:232803

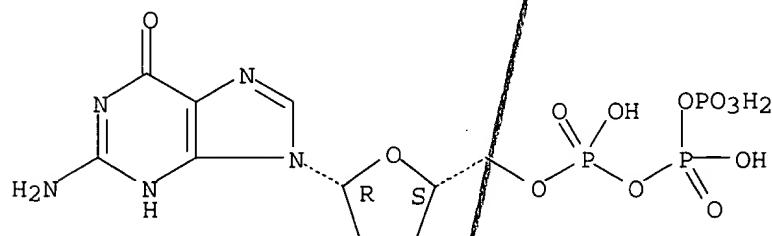
IT 68726-28-3

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(dioxolane nucleoside combination with other antiviral compds.)

RN 68726-28-3 CAPLUS

CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

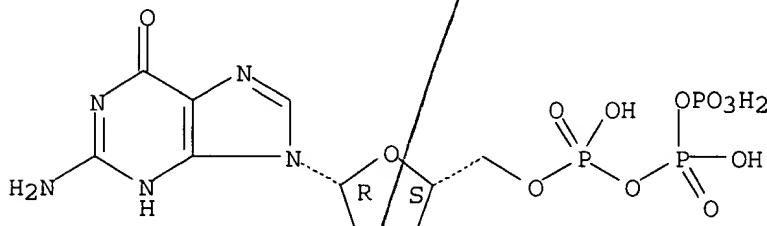
Absolute stereochemistry.



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 20 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2000:393069 CAPLUS  
 DN 133:173958  
 TI Mutational analysis of Lys65 of HIV-1 reverse transcriptase  
 AU Sluis-Cremer, Nicolas; Arion, Dominique; Kaushik, Neerja; Lim, Henry;  
 Parniak, Michael A.  
 CS Lady Davis Institute for Medical Research and McGill University AIDS  
 Centre, Sir Mortimer B. Davis-Jewish General Hospital, Montreal, QC, H3T  
 1E2, Can.  
 SO Biochemical Journal (2000), 348(1), 77-82  
 CODEN: BIJOAK; ISSN: 0264-6021  
 PB Portland Press Ltd.  
 DT Journal  
 LA English  
 IT 68726-28-3, DdGTP  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
 study, unclassified); BIOL (Biological study)  
 (inhibitor; mutational anal. of Lys65 of HIV-1 reverse  
 transcriptase)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  
 NAME)

Absolute stereochemistry.



RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

|                      |            |         |
|----------------------|------------|---------|
| => d cost            |            |         |
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL   |
| CONNECT CHARGES      | ENTRY      | SESSION |
| NETWORK CHARGES      | 1.60       | 2.91    |
| SEARCH CHARGES       | 0.24       | 0.48    |
| DISPLAY CHARGES      | 23.40      | 189.90  |
| FULL ESTIMATED COST  | 70.20      | 70.20   |
|                      | -----      | -----   |
|                      | 95.44      | 263.49  |

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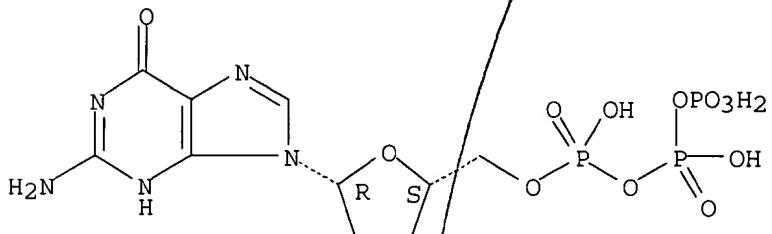
=> d bib hitstr 21-40 16

L6 ANSWER 21 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2000:303387 CAPLUS  
 DN 133:83924  
 TI Mutational analysis of Trp-229 of human immunodeficiency virus type 1  
 reverse transcriptase (RT) identifies this amino acid residue as a prime  
 target for the rational design of new non-nucleoside RT inhibitors  
 AU Pelemans, Heidi; Esnouf, Robert; De Clercq, Erik; Balzarini, Jan  
 CS Rega Institute for Medical Research, Katholieke Universiteit Leuven,  
 Louvain, Belg.

SO Molecular Pharmacology (2000), 57(5), 954-960  
 CODEN: MOPMA3; ISSN: 0026-895X  
 PB American Society for Pharmacology and Experimental Therapeutics  
 DT Journal  
 LA English  
 IT 68726-28-3, DdGTP  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
     (mutational anal. of Trp-229 of human immunodeficiency virus type 1 reverse transcriptase (RT) identifies amino acid residue as a prime target for rational design of new non-nucleoside RT inhibitors with antiviral activity)

RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

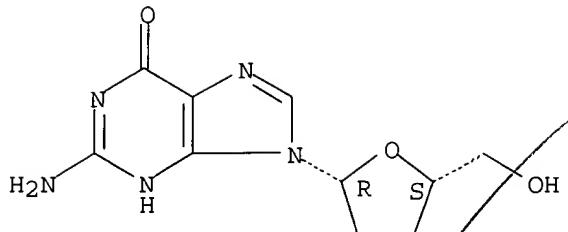


RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 22 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2000:287748 CAPLUS  
 DN 133:296  
 TI Decreased HIV-associated T cell apoptosis by HIV protease inhibitors  
 AU Phenix, Barbara N.; Angel, Jonathan B.; Mandy, Francis; Kravcik, Stephen; Parato, Karl; Chambers, Kelley A.; Gallicano, Keith; Hawley-Foss, Nanci; Cassol, Sharon; Cameron, D. William; Badley, Andrew D.  
 CS Dep. Biochem., Microbiol., Immunol., Univ. Ottawa, Ottawa, ON, K1H 8L6, Can.  
 SO AIDS Research and Human Retroviruses (2000), 16(6), 559-567  
 CODEN: ARHRE7; ISSN: 0889-2229  
 PB Mary Ann Liebert, Inc.  
 DT Journal  
 LA English  
 IT 85326-06-3, Dideoxyguanosine  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
     (protease inhibitors block HIV-associated T cell apoptosis)

RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



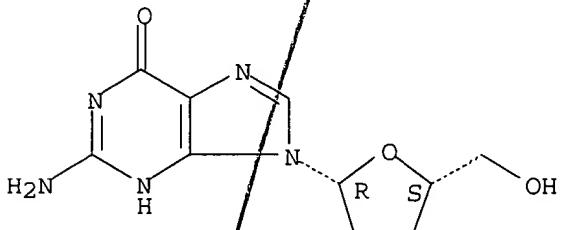
RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 23 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1999:698812 CAPLUS  
 DN 132:122848  
 TI Complexation of antiretroviral nucleosides 2',3'-dideoxyinosine, 2',3'-dideoxyadenosine and 2',3'-dideoxyguanosine with  $\beta$ -cyclodextrin. A  $^1\text{H}$  NMR study  
 AU Golankiewicz, Bozenna; Perlovich, G.; Poznanski, J.; Sitkowski, J.; Stefaniak, the late L.; Zeidler, J.; Zielenkiewicz, Wojciech  
 CS Institute of Bioorganic Chemistry, PAS, Poznan, 61-704, Pol.  
 SO Journal of the Chemical Society, Perkin Transactions 2: Physical Organic Chemistry (1999), (11), 2533-2538  
 CODEN: JCPKBH; ISSN: 0300-9580  
 PB Royal Society of Chemistry  
 DT Journal  
 LA English  
 IT 256455-16-0P  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (complexation and NMR study of antiretroviral nucleosides dideoxyinosine dideoxyadenosine and dideoxyguanosine with  $\beta$ -cyclodextrin)  
 RN 256455-16-0 CAPLUS  
 CN Guanosine, 2',3'-dideoxy-, compd. with  $\beta$ -cyclodextrin (1:1) (9CI)  
 (CA INDEX NAME)

CM 1

CRN 85326-06-3  
 CMF C10 H13 N5 O3

Absolute stereochemistry.

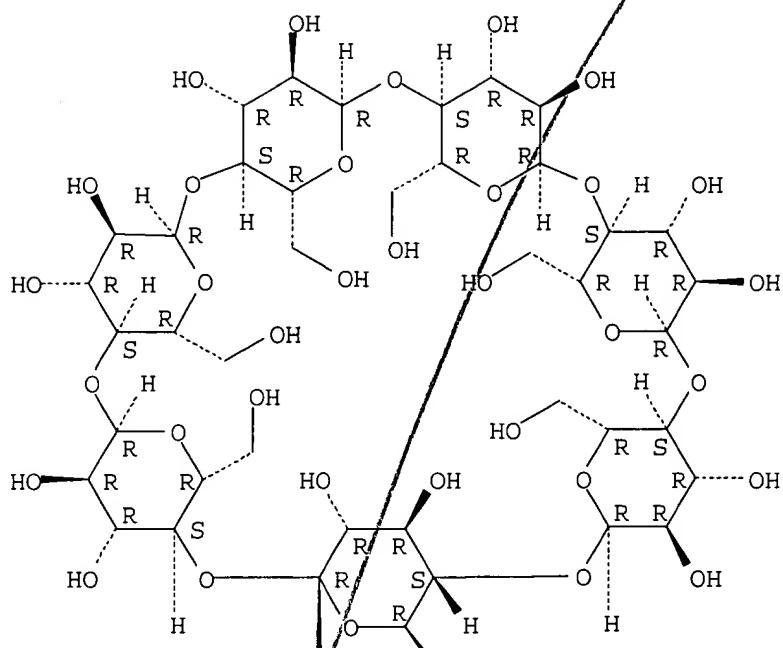


CM 2

CRN 7585-39-9  
 CMF C42 H70 O35

Absolute stereochemistry.

PAGE 1-A



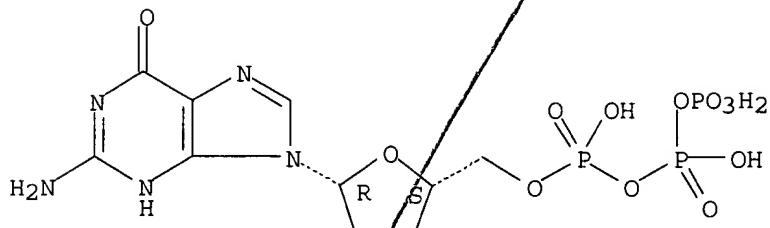
PAGE 2-A



RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

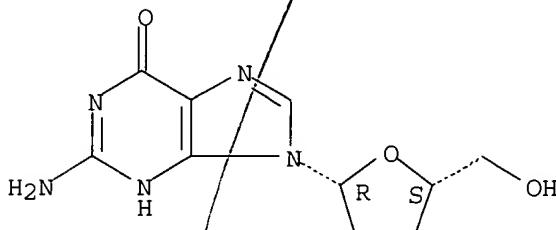
L6 ANSWER 24 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1999:448658 CAPLUS  
DN 131:237529  
TI Effect of acyclic nucleoside phosphonates on the HIV-1 integrase  
in vitro  
AU Abu, Sheika G.; Tramontano, E.; Loi, A. G.; Franchetti, P.; Grifantini,  
M.; La Colla, P.  
CS Dipartimento di Scienze Chimiche, Universita di Camerino, Camerino, 62032,  
Italy  
SO Nucleosides & Nucleotides (1999), 18(4 & 5), 849-851  
CODEN: NUNUD5; ISSN: 0732-8311  
PB Marcel Dekker, Inc.  
DT Journal  
LA English  
IT 68726-28-3 85326-06-3  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES  
(Uses)  
RN 68726-28-3 CAPLUS  
CN Guanosine 5'- (tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  
NAME)

Absolute stereochemistry.



RN 85326-06-3 CAPLUS  
CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

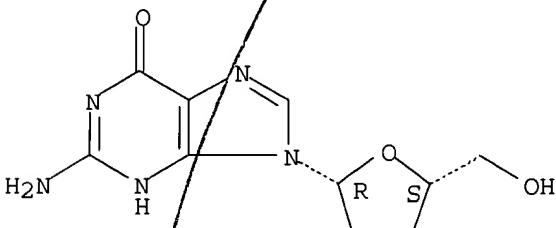
Absolute stereochemistry.



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 25 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1999:300931 CAPLUS  
DN 131:110811  
TI Analysis of various nucleosides in plasma using solid phase extraction and high-performance liquid chromatography with UV detection  
AU Lowe Walters, Denise; Jacobs, Deloria L.; Tomaszewski, Joseph E.; Graves, Steven  
CS Battelle, Columbus, OH, 43201, USA  
SO Journal of Pharmaceutical and Biomedical Analysis (1999), 19(6), 955-965  
CODEN: JPBADA; ISSN: 0731-7085  
PB Elsevier Science B.V.  
DT Journal  
LA English  
IT 85326-06-3, 2',3'-Dideoxyguanosine 122970-35-8,  
6-Chloro-2',3'-Dideoxyguanosine  
RL: ANT (Analyte); ANST (Analytical study)  
(nucleosides determination in blood of humans and lab animals by HPLC)  
RN 85326-06-3 CAPLUS  
CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

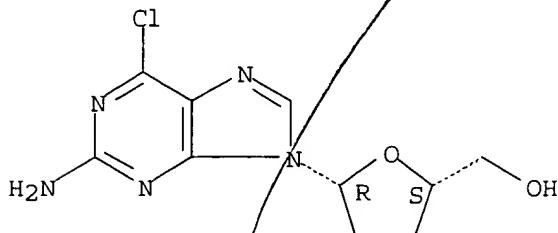
Absolute stereochemistry.



RN 122970-35-8 CAPLUS

CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, (2S,5R)-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 10

THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 26 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:224534 CAPLUS

DN 130:316618

TI Anti-HIV agent-containing poultices

IN Fujii, Yuji; Kojima, Eiji; Machida, Makoto; Murakami, Kunichika

PA Nihon Seishi K. K., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

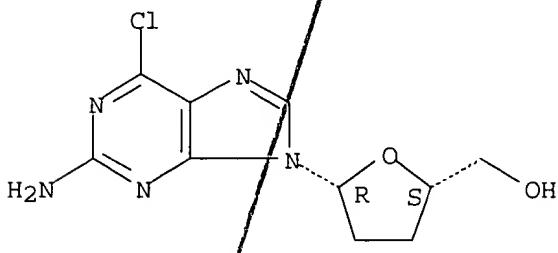
|      | PATENT NO.     | KIND | DATE     | APPLICATION NO. | DATE     |
|------|----------------|------|----------|-----------------|----------|
| PI   | JP 11092380    | A2   | 19990406 | JP 1997-276566  | 19970924 |
| PRAI | JP 1997-276566 |      | 19970924 |                 |          |
| IT   | 122970-35-8    |      |          |                 |          |

RL: DEV (Device component use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(anti-HIV agent-containing poultices)

RN 122970-35-8 CAPLUS

CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, (2S,5R)-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 27 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:216095 CAPLUS

DN 131:110879

TI QSAR studies of antiviral agents using structure-activity maps

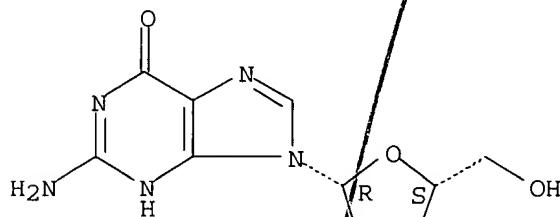
AU Lesniewski, Mathew L.; Parakulam, Ravi R.; Taylor-McCabe, Kirsten J.; Marquis, Michael A., II; Tsai, Chun-che

CS Dep. Chem., Kent State Univ., Kent, OH, 44242-0001, USA

SO Internet Journal of Chemistry [Electronic Publication] (1999), 2, No pp.  
Given, Article 7

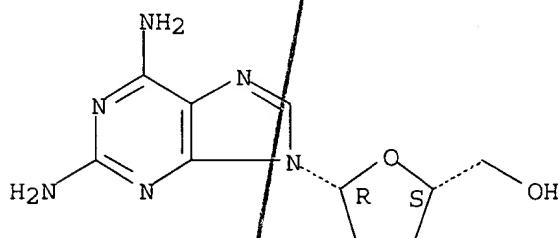
PB CODEN: IJCHFJ  
URL: <http://www.ijc.com/articles/1999v2/7/abstract.pdf>  
DT Internet Journal of Chemistry  
LA English  
IT 85326-06-3 107550-73-2  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(QSAR studies of antiviral agents using structure-activity maps)  
RN 85326-06-3 CAPLUS  
CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 107550-73-2 CAPLUS  
CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

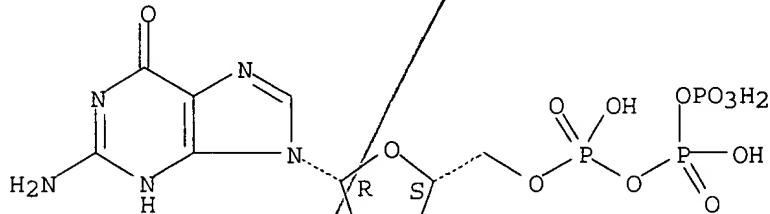
L6 ANSWER 28 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1998:673164 CAPLUS  
DN 130:60627  
TI Phenotypic mechanism of HIV-1 resistance to 3'-azido-3'-deoxythymidine (AZT): increased polymerization processivity and enhanced sensitivity to pyrophosphate of the mutant viral reverse transcriptase  
AU Arion, Dominique; Kaushik, Neerja; McCormick, Suzanne; Borkow, Gadi; Parniak, Michael A.  
CS Lady Davis Institute for Medical Research, Sir Mortimer B. Davis-Jewish General Hospital, Montreal, QC, H3T 1E2, Can.  
SO Biochemistry (1998), 37(45), 15908-15917  
CODEN: BICHAW; ISSN: 0006-2960  
PB American Chemical Society  
DT Journal  
LA English  
IT 68726-28-3, DdGTP  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
(phenotypic mechanism of HIV-1 resistance to AZT: increased

polymerization processivity and enhanced sensitivity to pyrophosphate of the mutant viral reverse transcriptase)

RN 68726-28-3 CAPLUS

CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 29 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:672470 CAPLUS

DN 129:270604

TI Mixtures of at least two reverse transcriptase inhibitors and hydroxycarbamide, in particular for inhibiting retroviral spread

IN Vila, Jorge

PA Compagnie de Developpement Aguettant, Fr.

SO PCT Int. Appl., 18 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|    | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|----|---|------|----------|-----------------|----------|
| PI | WO 9842349  | A1   | 19981001 | WO 1997-IB275   | 19970320 |
|    | W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,<br>DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,<br>LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,<br>PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ,<br>VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |      |          |                 |          |
|    | RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB,<br>GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN,<br>ML, MR, NE, SN, TD, TG  |      |          |                 |          |
|    | CA 2284483  | AA   | 19981001 | CA 1997-2284483 | 19970320 |
|    | AU 9721046  | A1   | 19981020 | AU 1997-21046   | 19970320 |
|    | AU 743942   | B2   | 20020207 |                 |          |
|    | EP 971715   | A1   | 20000119 | EP 1997-906313  | 19970320 |
|    | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, SI, LT, LV, FI, RO  |      |          |                 |          |
|    | JP 2001521548   | T2   | 20011106 | JP 1998-545316  | 19970320 |

PRAI WO 1997-IB275 A 19970320

IT 85326-06-3, Guanosine, 2',3'-dideoxy-

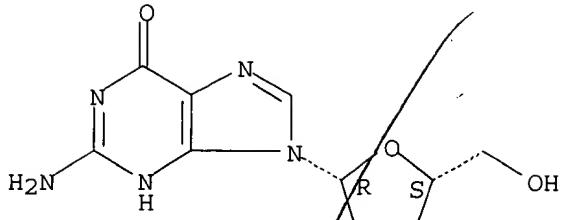
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(mixts. of at least two reverse transcriptase inhibitors and hydroxycarbamide for inhibiting retroviral spread)

RN 85326-06-3 CAPLUS

CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

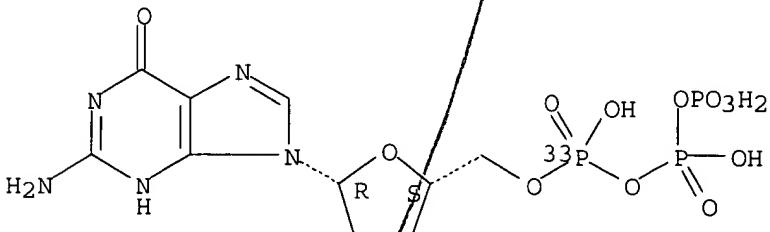
Absolute stereochemistry.



RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 30 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1998:592649 CAPLUS  
DN 129:311350  
TI JC9813 - a putative novel human papillomavirus identified by PCR-DS  
AU Feoli-Fonseca, Juan Carlos; Oigny, Luc L.; Filion, Mario; Simard, Pierre;  
Russo, Pierre A.; Yotov, Wagner V  
CS Departement de Pathologie, Hopital Ste-Justine, Universite de Montreal,  
Montreal, QC, H3T 1C5, Can.  
SO Biochemical and Biophysical Research Communications (1998), 250(1), 63-67  
CODEN: BBRCA9; ISSN: 0006-291X  
PB Academic Press  
DT Journal  
LA English  
IT 184865-89-2  
RL: ARG (Analytical reagent use); THU (Therapeutic use); ANST (Analytical  
study); BIOL (Biological study); USES (Uses)  
(JC9813 - putative novel human papillomavirus identified by PCR-DS)  
RN 184865-89-2 CAPLUS  
CN Guanosine 5'- (tetrahydrogen triphosphate-P-33P), 2',3'-dideoxy- (9CI) (CA  
INDEX NAME)

Absolute stereochemistry.



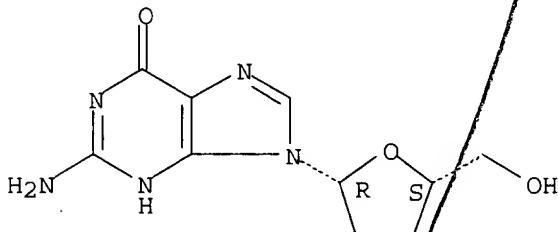
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 31 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1998:509110 CAPLUS  
DN 129:104199  
TI Enhanced suppression of HIV-1 by the combination of cytidine  
nucleoside analogs and CTP synthase inhibitors  
IN Gao, Wen-yi; Johns, David G.; Mitsuya, Hiroaki; Marquez, Victor  
PA United States Dept. of Health and Human Services, USA  
SO PCT Int. Appl., 47 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

| PATENT NO. | KIND  | DATE  | APPLICATION NO. | DATE  |
|------------|-------|-------|-----------------|-------|
| -----      | ----- | ----- | -----           | ----- |

PI WO 9831375 A1 19980723 WO 1998-US784 19980120  
 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,  
 DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,  
 LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,  
 PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US,  
 UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, SD, SZ, US, ZW, AT, BE, CH, DE, DK, ES, FI,  
 FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM,  
 GA, GN, ML, MR, NE, SN, TD, TG  
 AU 9858255 A1 19980807 AU 1998-58255 19980120  
 PRAI US 1997-33918P P 19970121  
 WO 1998-US784 W 19980120  
 IT 85326-06-3, 2',3'-Dideoxyguanosine  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (HIV resistant to; cytidine nucleoside analog-CTP synthase inhibitor combination for inhibition of retrovirus or virus using reverse transcriptase)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

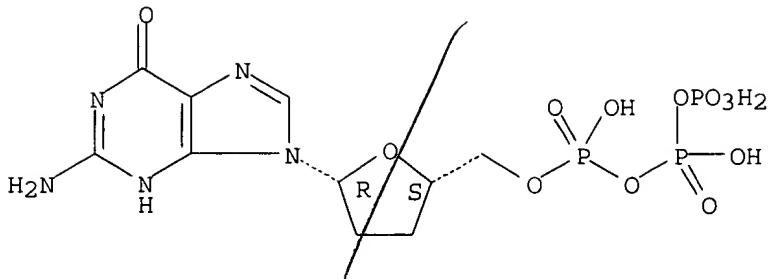
Absolute stereochemistry.



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 32 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1998:350562 CAPLUS  
 DN 129:92138  
 TI A proline-to-histidine substitution at position 225 of human immunodeficiency virus type 1 (HIV-1) reverse transcriptase (RT) sensitizes HIV-1 RT to BHAP U-90152  
 AU Pelemans, Heidi; Esnouf, Robert M.; Parniak, Michael A.; Vandamme, Anne-Mieke; De Clercq, Erik; Balzarini, Jan  
 CS Rega Institute for Medical Research, Katholieke Universiteit Leuven, Louvain, B-3000, Belg.  
 SO Journal of General Virology (1998), 79(6), 1347-1352  
 CODEN: JGVIAY; ISSN: 0022-1317  
 PB Society for General Microbiology  
 DT Journal  
 LA English  
 IT 68726-28-3, DdGTP  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
 (proline-to-histidine substitution at position 225 of human immunodeficiency virus type 1 (HIV-1) reverse transcriptase (RT) sensitizes HIV-1 RT to BHAP U-90152)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

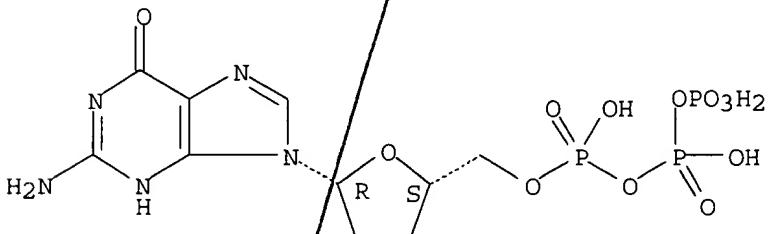
Absolute stereochemistry.



RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 33 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1998:321772 CAPLUS  
 DN 129:64764  
 TI Pre-steady state of reaction of nucleoside diphosphate kinase with anti-HIV nucleotides  
 AU Schneider, Benoit; Xu, Ying Wu; Sellam, Oliver; Sarfati, Robert; Janin, Joel; Vernon, Michel; Deville-Bonne, Dominique  
 CS Unite de Regulation Enzymatique des Activites Cellulaires, Institut Pasteur, Paris, 75724, Fr.  
 SO Journal of Biological Chemistry (1998), 273(19), 11491-11497  
 CODEN: JBCHA3; ISSN: 0021-9258  
 PB American Society for Biochemistry and Molecular Biology  
 DT Journal  
 LA English  
 IT 68726-28-3, 2',3'-Dideoxyguanosine triphosphate  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (dideoxynucleotide triphosphates as substrates for nucleoside diphosphate kinase)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry

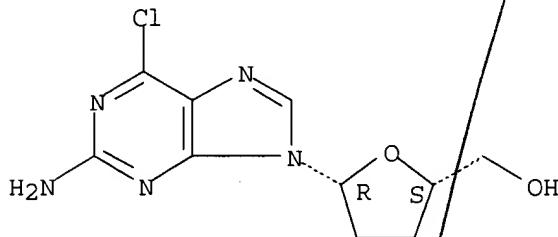


RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 34 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1998:294444 CAPLUS  
 DN 129:22989  
 TI Biological behavior of 6-chloro-2',3'-dideoxyguanosine and 6-chloro-2',3'-dideoxyinosine in the brains of mice  
 AU Fujii, Yuji; Kojima, Eiji; Ohtani, Isao; Mukai, Ryosaburo; Murakami, Kunichika; Yoshikawa, Yasuhiro  
 CS National Institute of Infectious Disease, Haciman-tai, 305, Japan  
 SO Nucleic Acids Symposium Series (1997), 37(Symposium on Nucleic Acids Chemistry, 1997), 173-174  
 CODEN: NACSD8; ISSN: 0261-3166

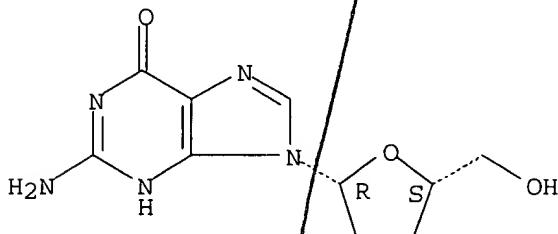
PB Oxford University Press  
DT Journal  
LA English  
IT 122970-35-8, SK034  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(biol. behavior of 6-chloro-2',3'-dideoxyguanosine and 6-chloro-2',3'-dideoxyinosine in the brains of mice)  
RN 122970-35-8 CAPLUS  
CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 85326-06-3, 2',3'-Dideoxyguanosine  
RL: BPR (Biological process); BSU (Biological study, unclassified); MFM (Metabolic formation); BIOL (Biological study); FORM (Formation, nonpreparative); PROC (Process)  
(biol. behavior of 6-chloro-2',3'-dideoxyguanosine and 6-chloro-2',3'-dideoxyinosine in the brains of mice)  
RN 85326-06-3 CAPLUS  
CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

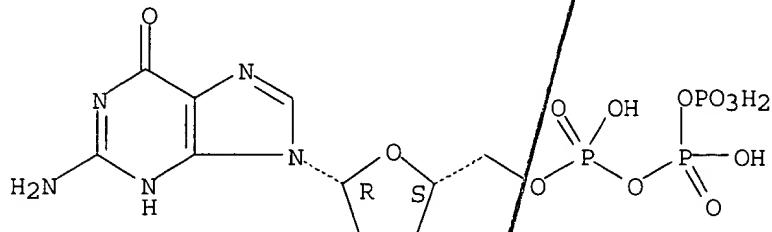


RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 35 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1998:122809 CAPLUS  
DN 128:280040  
TI Reverse transcriptase of mouse mammary tumor virus: expression in bacteria, purification and biochemical characterization  
AU Taube, Ran; Loya, Shoshana; Avidan, Orna; Perach, Michal; Hizi, Amnon  
CS Department of Cell Biology and Histology, Sackler School of Medicine, Tel Aviv University, Tel Aviv-Jaffa, 69978, Israel  
SO Biochemical Journal (1998), 329(3), 579-587  
CODEN: BIJOAK; ISSN: 0264-6021  
PB Portland Press Ltd.  
DT Journal  
LA English  
IT 68726-28-3, DdGTP  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological

study, unclassified); BIOL (Biological study)  
 (reverse transcriptase of mouse mammary tumor virus: expression in  
 bacteria, purification and biochem. characterization)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  
 NAME)

Absolute stereochemistry.



RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 36 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1998:41720 CAPLUS  
 DN 128:110885  
 TI Succinamic acid and succinimide derivatives having anti-inflammatory,  
 anti-viral, and bronchodilating activity, preparation, compositions, and  
 combinations with reverse transcriptase inhibitors  
 IN Hamedi-Sangsari, Farid; Nugier, Fabienne; Vallet, Thierry; Grange,  
 Jacques; Vila, Jorge  
 PA Compagnie De Developpement Aguettant S.A., Fr.  
 SO U.S., 26 pp., Cont.-in-part of U.S. Ser. No. 528,879.  
 CODEN: USXXAM  
 DT Patent  
 LA English

FAN.CNT 2

|      | PATENT NO.     | KIND   | DATE      | APPLICATION NO. | DATE     |
|------|----------------|--|-----------|-----------------|----------|
| PI   | US 5705522     | A  | 19980106  | US 1996-600525  | 19960213 |
|      | CA 2231996     | AA   | 19970320  | CA 1996-2231996 | 19960913 |
|      | WO 9710205     | A1   | 19970320  | WO 1996-IB942   | 19960913 |
|      | W:             | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,<br>DK, EE, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC,<br>LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,<br>RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM,<br>AZ, BY, KG, KZ, MD, RU, TJ, TM |           |                 |          |
|      | RW:            | KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,<br>IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI  |           |                 |          |
|      | AU 9668350     | A1   | 19970401  | AU 1996-68350   | 19960913 |
|      | EP 854860      | A1   | 19980729  | EP 1996-928647  | 19960913 |
|      | EP 854860      | B1   | 20010725  |                 |          |
|      | R:             | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, FI  |           |                 |          |
|      | JP 2000511871  | T2   | 20000912  | JP 1997-511797  | 19960913 |
|      | AT 203513      | E  | 20010815  | AT 1996-928647  | 19960913 |
| PRAI | US 1995-528879 | A2   | 19950915- |                 |          |
|      | US 1996-600525 | A  | 19960213  |                 |          |
|      | WO 1996-IB942  | W  | 19960913  |                 |          |

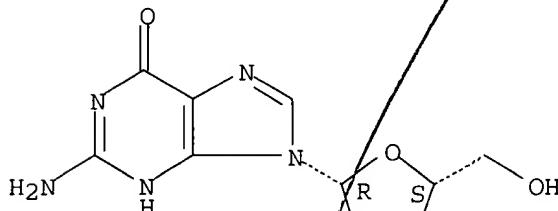
OS MARPAT 128:110885  
 IT 85326-06-3  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
 study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES  
 (Uses)

(succinamic acid and succinimide derivs. with antiinflammatory, antiviral, and bronchodilating activity, preparation, compns., and combinations with reverse transcriptase inhibitors)

RN 85326-06-3 CAPLUS

CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 37 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:689187 CAPLUS

DN 128:1396

TI Characteristics of the Pro225His mutation in human immunodeficiency virus type 1 (**HIV-1**) reverse transcriptase that appears under selective pressure of dose-escalating quinoxaline treatment of **HIV-1**

AU Pelemans, Heidi; Esnouf, Robert; Dunkler, Anke; Parniak, Michael A.; Vandamme, Anne-Mieke; Karlsson, Anna; De Clercq, Erik; Kleim, Jorg-Peter; Balzarini, Jan

CS Rega Institute for Medical Research, Katholieke Universiteit Leuven, Louvain, B-3000, Belg.

SO Journal of Virology (1997), 71(11), 8195-8203

CODEN: JOVIAM; ISSN: 0022-538X

PB American Society for Microbiology

DT Journal

LA English

IT 68726-28-3, DdGTP 85326-06-3, 2',3'-Dideoxyguanosine

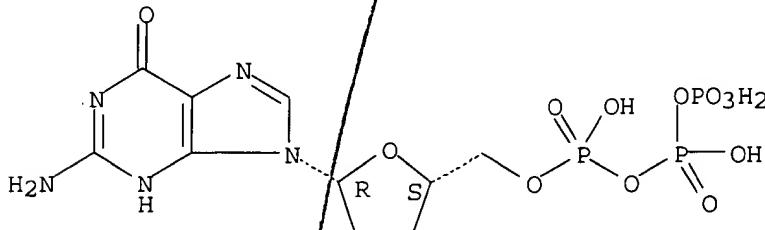
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(characteristics of Pro225His mutation in human immunodeficiency virus type 1 (**HIV-1**) reverse transcriptase that appears under selective pressure of dose-escalating quinoxaline treatment of **HIV-1**)

RN 68726-28-3 CAPLUS

CN Guanosine 5'- (tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

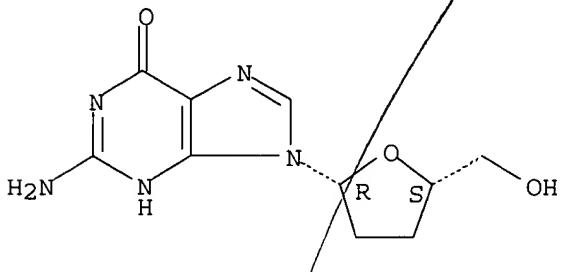
Absolute stereochemistry.



RN 85326-06-3 CAPLUS

CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

| L6         | ANSWER 38 OF 129 CAPLUS   | COPYRIGHT 2006 ACS on STN                          |                 |          |
|------------|---|--|-----------------|----------|
| AN         | 1997:488117 CAPLUS  |  |                 |          |
| DN         | 127:157622  |  |                 |          |
| TI         | Therapy and diagnosis of conditions related to telomere length and/or telomerase activity   |  |                 |          |
| IN         | West, Michael D.; Harley, Calvin B.; Strahl, Catherine M.; McEachern, Michael J.; Shay, Jerry; Wright, Woodring E.; Blackburn, Elizabeth H.; Vaziri, Homayoun |  |                 |          |
| PA         | Board of Regents, University of Texas System, USA; Regents of the University of California; Geron Corp.   |  |                 |          |
| SO         | U.S., 103 pp., Cont.-in-part of U.S. Ser. No. 60,952.<br>CODEN: USXXAM  |  |                 |          |
| DT         | Patent  |  |                 |          |
| LA         | English   |  |                 |          |
| FAN.CNT 21 |   |  |                 |          |
| PATENT NO. | KIND  | DATE   | APPLICATION NO. | DATE     |
| PI         | US 5645986  | A 19970708   | US 1993-153051  | 19931112 |
|            | US 5489508  | A 19960206   | US 1993-38766   | 19930324 |
|            | US 5695932  | A 19971209   | US 1993-60952   | 19930513 |
|            | US 5989807  | A 19991123   | US 1994-255774  | 19940607 |
|            | US 5629154  | A 19970513   | US 1994-315214  | 19940928 |
|            | US 5648215  | A 19970715   | US 1994-315216  | 19940928 |
|            | CA 2173872  | AA 19950518  | CA 1994-2173872 | 19941110 |
|            | CA 2173872  | C 20010828   |                 |          |
|            | WO 9513381  | A1 19950518  | WO 1994-US12951 | 19941110 |
|            | W: AU, CA, JP   |  |                 |          |
|            | RW: AT, BE, CH, DE  | DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE     |                 |          |
|            | WO 9513383  | A1 19950518  | WO 1994-US13130 | 19941110 |
|            | W: AU, CA, JP   |  |                 |          |
|            | RW: AT, BE, CH, DE  | DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE     |                 |          |
|            | AU 9512090  | A1 19950529  | AU 1995-12090   | 19941110 |
|            | AU 682082   | B2 19970918  |                 |          |
|            | AU 9513307  | A1 19950529  | AU 1995-13307   | 19941110 |
|            | EP 728207   | A1 19960828  | EP 1995-903110  | 19941110 |
|            | EP 728207   | B1 20000531  |                 |          |
|            | R: AT, BE, CH, DE   | DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE |                 |          |
|            | JP 09502102   | T2 19970304  | JP 1994-513997  | 19941110 |
|            | JP 2875394  | B2 19990331  |                 |          |
|            | US 5686306  | A 19971111   | US 1994-337684  | 19941110 |
|            | JP 11243998   | A2 19990914  | JP 1998-273689  | 19941110 |
|            | AT 193554   | E 20000615   | AT 1995-903110  | 19941110 |
|            | ES 2147602  | T3 20000916  | ES 1995-903110  | 19941110 |
|            | PT 728207   | T 20001130   | PT 1995-903110  | 19941110 |
|            | US 5693474  | A 19971202   | US 1995-486042  | 19950607 |
|            | US 5837453  | A 19981117   | US 1995-482132  | 19950607 |

|      |                 |    |          |    |             |          |
|------|-----------------|----|----------|----|-------------|----------|
| US   | 5863726         | A  | 19990126 | US | 1996-631554 | 19960412 |
| US   | 5804380         | A  | 19980908 | US | 1996-632662 | 19960415 |
| AU   | 9860582         | A1 | 19980604 | AU | 1998-60582  | 19980331 |
| AU   | 723767          | B2 | 20000907 |    |             |          |
| US   | 5891639         | A  | 19990406 | US | 1998-100153 | 19980618 |
| HK   | 1011384         | A1 | 20010223 | HK | 1998-112561 | 19981130 |
| US   | 6551774         | B1 | 20030422 | US | 1999-378535 | 19990820 |
| US   | 6391554         | B1 | 20020521 | US | 1999-447151 | 19991123 |
| GR   | 3034249         | T3 | 20001229 | GR | 2000-401936 | 20000823 |
| US   | 2003190638      | A1 | 20031009 | US | 2002-232927 | 20020829 |
| PRAI | US 1992-882438  | B2 | 19920513 |    |             |          |
|      | US 1993-38766   | A2 | 19930324 |    |             |          |
|      | US 1993-60952   | A2 | 19930513 |    |             |          |
|      | WO 1993-US4546  | A1 | 19930513 |    |             |          |
|      | US 1993-151477  | A2 | 19931111 |    |             |          |
|      | US 1993-153051  | A2 | 19931111 |    |             |          |
|      | US 1994-255774  | A2 | 19940607 |    |             |          |
|      | US 1994-315214  | A  | 19940928 |    |             |          |
|      | US 1994-315216  | A2 | 19940928 |    |             |          |
|      | JP 1994-513997  | A3 | 19941110 |    |             |          |
|      | WO 1994-US12951 | W  | 19941110 |    |             |          |
|      | WO 1994-US13130 | W  | 19941110 |    |             |          |
|      | US 1995-423403  | A2 | 19950418 |    |             |          |
|      | US 1995-482132  | A2 | 19950607 |    |             |          |
|      | US 1996-631554  | A1 | 19960412 |    |             |          |
|      | US 1997-819867  | A1 | 19970314 |    |             |          |
|      | US 1999-378535  | A3 | 19990820 |    |             |          |

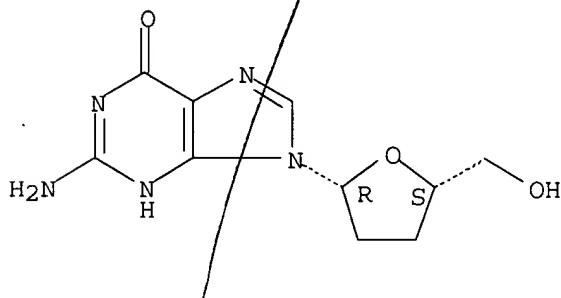
IT 85326-06-3

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
 (screening for telomerase inhibitors; assays for telomere length and/or telomerase activity for use in therapy and diagnosis of cellular senescence and immortalization conditions)

RN 85326-06-3 CAPLUS

CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 39 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:283135 CAPLUS

DN 127:28614

TI Investigation of the relationship between chemical structure and anti-HIV-1 activity in a class of nucleoside analogs:  
 electron-topological approach

AU Dimoglo, A. S.; Gorbachov, M. Y.; Lesnik, T. I.; Saracoglu, M.; Guzel, Y.; Yildirim, I.

CS Institute of Chemistry, Academy of Sciences, Chisinau, 277028, Moldova

SO Current Medicinal Chemistry (1997), 4(1), 23-34

CODEN: CMCHE7; ISSN: 0929-8673

PB Bentham Science Publishers BV

DT Journal

LA English

IT 107550-73-2 107550-74-3 122970-35-8

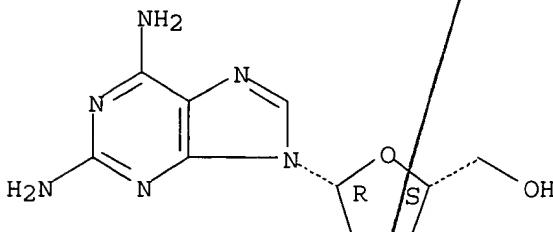
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(nucleoside analogs structure-related anti-**HIV-1** activity:  
electron-topol. approach)

RN 107550-73-2 CAPLUS

CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

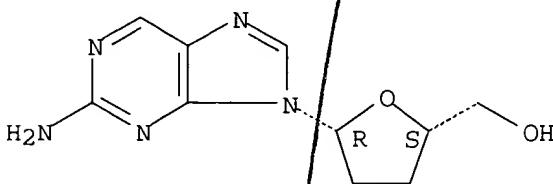
Absolute stereochemistry.



RN 107550-74-3 CAPLUS

CN 2-Furanmethanol, 5-(2-amino-9H-purin-9-yl)tetrahydro-, (2S-cis)- (9CI)  
(CA INDEX NAME)

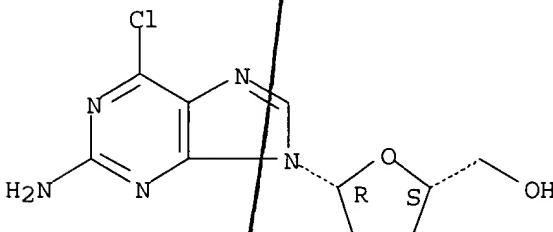
Absolute stereochemistry.



RN 122970-35-8 CAPLUS

CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, (2S,5R)-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 40 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:271099 CAPLUS

DN 127:2376

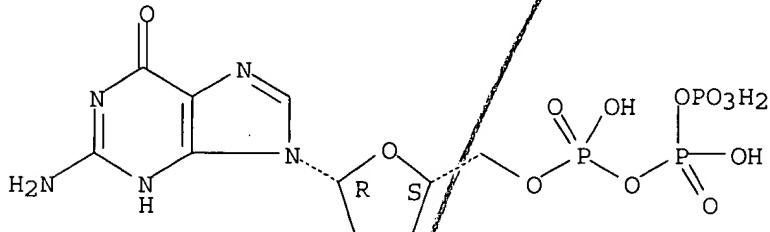
TI Nucleotide-Induced Stable Complex Formation by **HIV-1** Reverse Transcriptase

AU Tong, Wenjing; Lu, Chang-De; Sharma, Satish K.; Matsuura, Suzanne; So, Antero G.; Scott, Walter A.

CS Department of Biochemistry and Molecular Biology, University of Miami School of Medicine, Miami, FL, 33101, USA

SO Biochemistry (1997), 36(19), 5749-5757  
 CODEN: BICHAW; ISSN: 0006-2960  
 PB American Chemical Society  
 DT Journal  
 LA English  
 IT 68726-28-3, DdGTP  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
 (nucleotide-induced stable complex formation by HIV-1 reverse transcriptase)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

|                      |                  |               |
|----------------------|------------------|---------------|
| => d cost            |                  |               |
| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
| CONNECT CHARGES      | 2.00             | 3.31          |
| NETWORK CHARGES      | 0.30             | 0.54          |
| SEARCH CHARGES       | 23.40            | 189.90        |
| DISPLAY CHARGES      | 140.40           | 140.40        |
| -----                |                  |               |
| FULL ESTIMATED COST  | 166.10           | 334.15        |

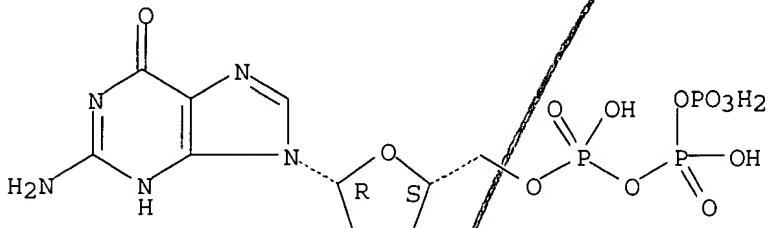
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=> d bib hitstr 41-129 16

L6 ANSWER 41 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1997:182558 CAPLUS  
 DN 126:258526  
 TI Inhibitory effect of penciclovir-triphosphate on duck hepatitis B virus reverse transcription  
 AU Dannaoui, E.; Trepo, C.; Zoulim, F.  
 CS INSERM, Lyon, 69003, Fr.  
 SO Antiviral Chemistry & Chemotherapy (1997), 8(1), 38-46  
 CODEN: ACCHEH; ISSN: 0956-3202  
 PB International Medical Press  
 DT Journal  
 LA English  
 IT 68726-28-3  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (inhibitory effect of penciclovir-triphosphate on duck hepatitis B virus reverse transcription)

RN 68726-28-3 CAPLUS  
CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

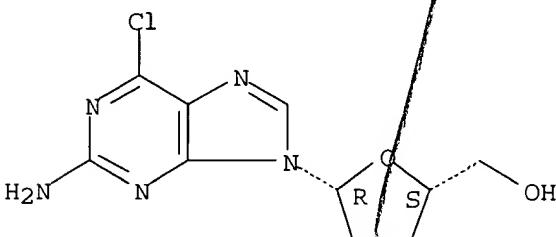


RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 42 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1996:683929 CAPLUS  
DN 125:316349  
TI Novel purine derivatives and their anti-HIV activities  
AU Kojima, Eiji; Miyawaki, Shoichi; Machida, Makoto; Murakami, Kunichika  
CS Biochem. Section, Nippon Paper Industries Co. Ltd., Yamaguchi, 740, Japan  
SO Nucleic Acids Symposium Series (1996), 35(Twentythird Symposium on Nucleic Acids Chemistry, 1996), 231-232  
CODEN: NACSD8; ISSN: 0261-3166  
PB Oxford University Press  
DT Journal  
LA English  
IT 122970-35-8  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(novel purine derivs. and anti-HIV activities)

RN 122970-35-8 CAPLUS  
CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 43 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1996:594452 CAPLUS  
DN 125:292251  
TI Inhibition of hepatitis B virus replication by nucleoside enantiomers of β-2',3'-dideoxypurine analogs  
AU El Alaoui, A. M.; Faraj, A.; Pierra, C.; Boudou, V.; Johnson, R.; Mathe, C.; Gosselin, G.; Korba, B. E.; Imbach, J.-L.; et al.  
CS Dep. Pharm., Toxicology, Liver Center, Div, Clinical Pharmacology, Univ. Alabama Birmingham, Birmingham, AL, 35294, USA  
SO Antiviral Chemistry & Chemotherapy (1996), 7(5), 276-280

CODEN: ACCHEH; ISSN: 0956-3202  
PB Blackwell  
DT Journal  
LA English

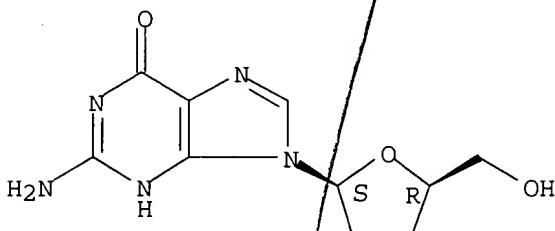
IT 160962-93-6P 160962-97-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(inhibition of hepatitis B virus replication by nucleoside enantiomers of  $\beta$ -2',3'-dideoxypurine analogs)

RN 160962-93-6 CAPLUS

CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[(2S,5R)-tetrahydro-5-(hydroxymethyl)-2-furanyl]- (9CI) (CA INDEX NAME)

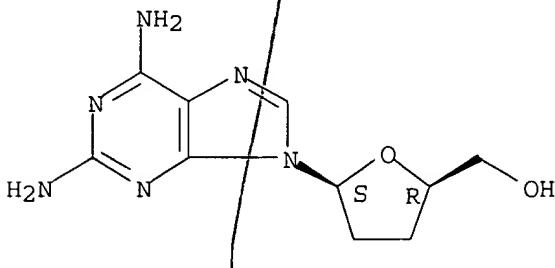
Absolute stereochemistry.



RN 160962-97-0 CAPLUS

CN 2-Furanmethanol, 5-(2,6-diamino-9H-purin-9-yl)tetrahydro-, (2R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 44 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:580263 CAPLUS

DN 125:212659

TI Mixtures of dideoxy-nucleosides and hydroxycarbamide for inhibiting retroviral spread

IN Malley, Serge D.; Vila, Jorge R.

PA Compagnie De Developpement Aguettant, Fr.

SO PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

|    | PATENT NO.   | KIND | DATE     | APPLICATION NO. | DATE     |
|----|--|------|----------|-----------------|----------|
| PI | WO 9622777   | A1   | 19960801 | WO 1996-IB53    | 19960124 |
|    | W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI<br>RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, |      |          |                 |          |

IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR,  
 NE, SN  
 US 6093702 A 20000725 US 1995-401488 19950308  
 AU 9643982 A1 19960814 AU 1996-43982 19960124  
 PRAI US 1995-378219 A 19950125 -  
 US 1995-401488 A 19950308  
 US 1993-169253 A2 19931220  
 WO 1996-IB53 W 19960124  
 IT 181361-59-1  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
     (mixts. of dideoxy-nucleosides and hydroxycarbamide for inhibiting retroviral spread)  
 RN 181361-59-1 CAPLUS  
 CN Guanosine, 2',3'-dideoxy-, mixt. with hydroxyurea (9CI) (CA INDEX NAME)

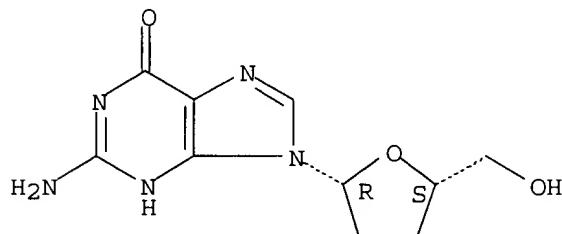
CM 1

CRN 85326-06-3

CMF C10 H13 N5 O3

Absolute stereochemistry.

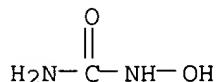
*Printed*



CM 2

CRN 127-07-1

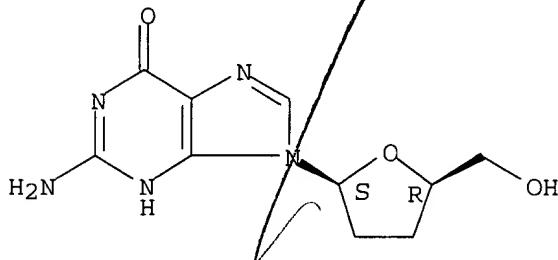
CMF C H4 N2 O2



L6 ANSWER 45 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1996:489904 CAPLUS  
 DN 125:211862  
 TI Anti-human immunodeficiency and anti-hepatitis B virus activities of  
     β-L-2',3'-dideoxy purine nucleosides  
 AU Bolon, Pascal J.; Wang, Peizuan; Chu, Chung K.; Gosselin, Gilles; Boudou,  
     Valerie; Piera, Claire; Mathe, Christophe; Imbach, Jean-Louis; Faraj,  
     Abdesselem; et al.  
 CS College Pharmacy, Univ. Georgia, Athens, GA, 30602-2352, USA  
 SO Bioorganic & Medicinal Chemistry Letters (1996), 6(14), 1657-1662  
 CODEN: BMCLE8; ISSN: 0960-894X  
 PB Elsevier  
 DT Journal  
 LA English  
 IT 160962-93-6P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological

study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);  
 BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (anti-human immunodeficiency and anti-hepatitis B virus activities of  
 $\beta$ -L-2',3'-dideoxy purine nucleosides)  
 RN 160962-93-6 CAPLUS  
 CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[(2S,5R)-tetrahydro-5-(hydroxymethyl)-2-furanyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

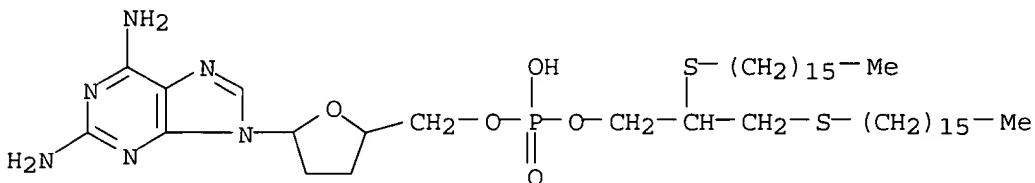


L6 ANSWER 46 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1996:332929 CAPLUS  
 DN 125:96065  
 TI Ether lipid-nucleoside covalent conjugates  
 IN Piantadosi, Claude; Marasco, Canio J., Jr.; Kucera, Louis S.  
 PA Wake Forest University, USA; University of North Carolina  
 SO U.S., 11 pp., Cont. of U. S. Ser. No. 955, 709, abandoned.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

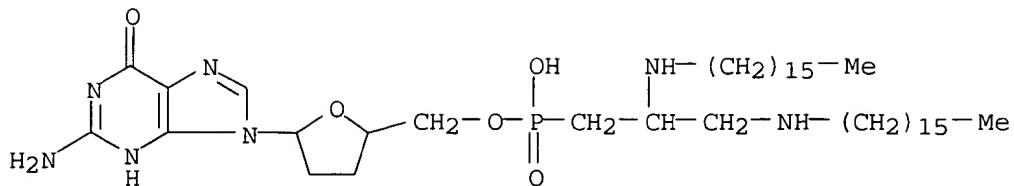
| PATENT NO.                   | KIND | DATE     | APPLICATION NO. | DATE         |
|------------------------------|------|----------|-----------------|--------------|
| PI US 5512671                | A    | 19960430 | US 1995-418853  | 19950407     |
| PRAI US 1995-418853          | B1   | 19950407 |                 |              |
| US 1993-955709               |      | 19930216 |                 |              |
| OS MARPAT 125:96065          |      |          |                 | <i>QXNCD</i> |
| IT 178394-10-0P 178394-12-2P |      |          |                 |              |

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (phospholipid-nucleoside conjugates as virucides for treatment of HIV-1 infections)

RN 178394-10-0 CAPLUS  
 CN 5'-Adenylic acid, 2-amino-2',3'-dideoxy-, mono[2,3-bis(hexadecylthio)propyl] ester (9CI) (CA INDEX NAME)



RN 178394-12-2 CAPLUS  
 CN Phosphonic acid, [2,3-bis(hexadecylamino)propyl]-, mono[[5-(2-amino-1,6-dihydro-6-oxo-9H-purin-9-yl)tetrahydro-2-furanyl]methyl] ester (9CI) (CA INDEX NAME)



L6 ANSWER 47 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1996:329901 CAPLUS

DN 125:75409

TI Liver-targeted antiviral nucleosides: Enhanced antiviral activity of phosphatidyl-dideoxyguanosine versus dideoxyguanosine in woodchuck hepatitis virus infection in vivo

AU Korba, Brent A.; Xie, Hong; Wright, Kristine N.; Hornbuckle, William E.; Gerin, John L.; Tennant, Bud C.; Hostetler, Karl Y.

CS Division Molecular Virology and Immunology, Georgetown University, Rockville, MD, USA

SO Hepatology (Philadelphia) (1996), 23(5), 958-963  
 CODEN: HPTLD9; ISSN: 0270-9179

PB Saunders

DT Journal

LA English

IT 85326-06-3, 2',3'-Dideoxyguanosine 178430-60-9

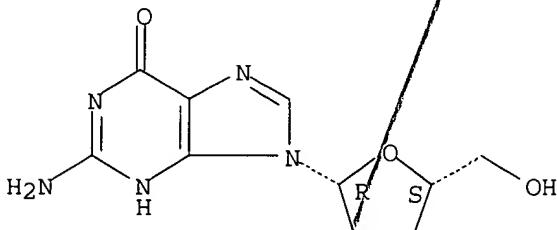
178430-61-0 178430-62-1

RL: BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses) (liver-targeted antiviral nucleosides: enhanced antiviral activity of phosphatidyl-dideoxyguanosine vs. dideoxyguanosine in woodchuck hepatitis virus infection in vivo)

RN 85326-06-3 CAPLUS

CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

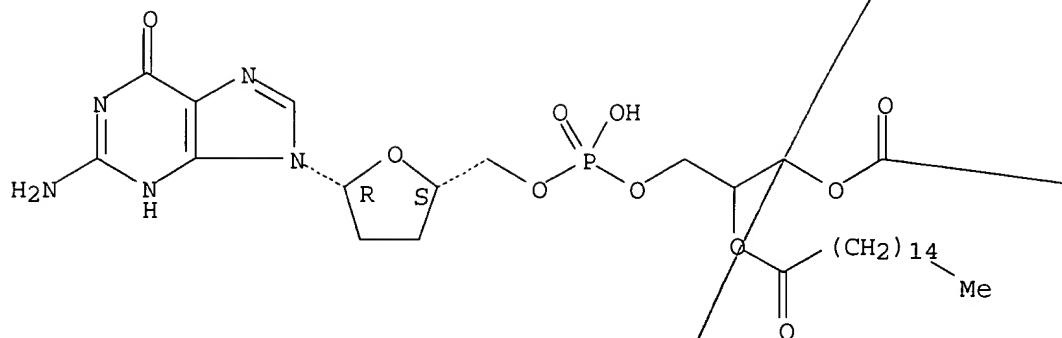


RN 178430-60-9 CAPLUS

CN 5'-Guanylic acid, 2',3'-dideoxy-, mono[2,3-bis[(1-oxohexadecyl)oxy]propyl] ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

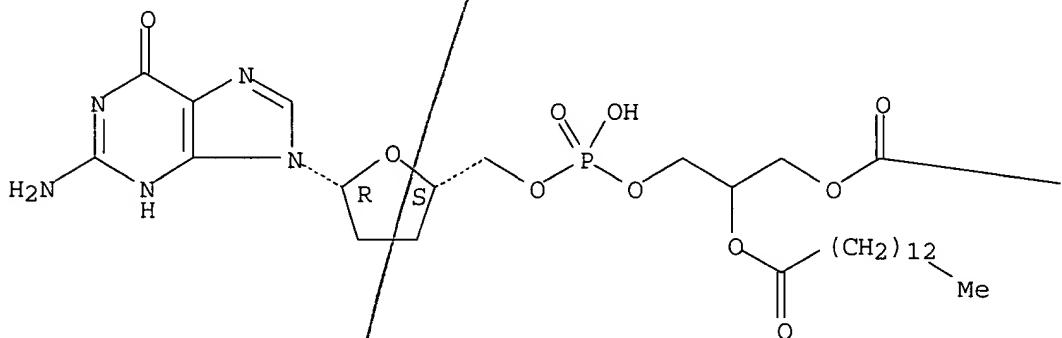
—(CH<sub>2</sub>)<sub>14</sub> Me

RN 178430-61-0 CAPLUS

CN 5'-Guanylic acid, 2',3'-dideoxy-, mono[2,3-bis[(1-oxotetradecyl)oxy]propyl] ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

—(CH<sub>2</sub>)<sub>12</sub> Me

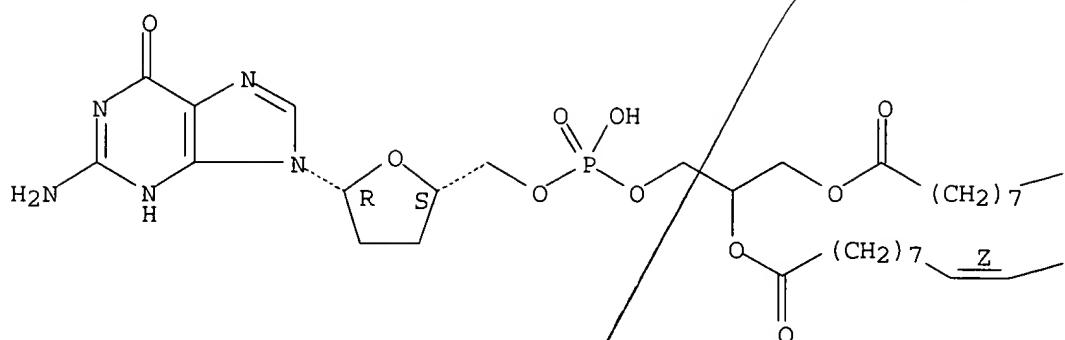
RN 178430-62-1 CAPLUS

CN 5'-Guanylic acid, 2',3'-dideoxy-, mono[2,3-bis[(1-oxo-9-octadecenyl)oxy]propyl] ester, (Z,Z)- (9CI) (CA INDEX NAME)

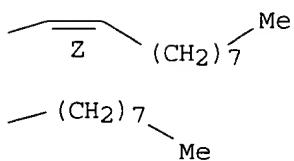
Absolute stereochemistry.

Double bond geometry as shown.

PAGE 1-A



PAGE 1-B



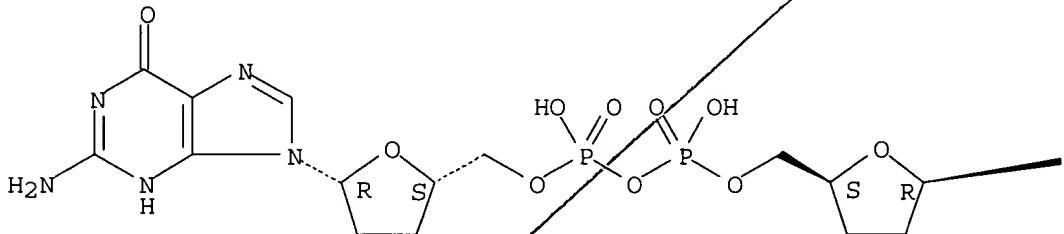
L6 ANSWER 48 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1996:262827 CAPLUS  
DN 124:307569  
TI Synthesis and use of dinucleoside-5',5'-pyrophosphates as tumor inhibitors and antivirals  
IN De Flora, Antonio; Benatti, Umberto; Giovine, Marco  
PA Gruppo Lepetit S.P.A., Italy; Universita' degli studi di Genova  
SO PCT Int. Appl., 90 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| PI WO 9602554   | A1   | 19960201 | WO 1995-EP2676  | 19950710 |
| W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN |      |          |                 |          |
| RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG                                |      |          |                 |          |
| CA 2195091  | AA   | 19960201 | CA 1995-2195091 | 19950710 |
| AU 9530766  | A1   | 19960216 | AU 1995-30766   | 19950710 |
| AU 688552   | B2   | 19980312 |                 |          |
| EP 773951   | A1   | 19970521 | EP 1995-943516  | 19950710 |
| EP 773951   | B1   | 19990310 |                 |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE   |      |          |                 |          |
| CN 1154112  | A    | 19970709 | CN 1995-194159  | 19950710 |

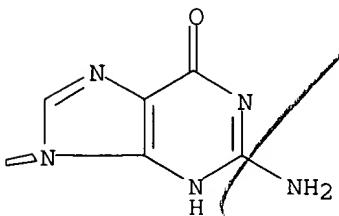
|      |   |    |          |    |             |          |
|------|---|----|----------|----|-------------|----------|
| HU   | 76331   | A2 | 19970828 | HU | 1997-118    | 19950710 |
| JP   | 10502655  | T2 | 19980310 | JP | 1995-504666 | 19950710 |
| AT   | 177431  | E  | 19990315 | AT | 1995-943516 | 19950710 |
| ES   | 2129893   | T3 | 19990616 | ES | 1995-943516 | 19950710 |
| ZA   | 9505826   | A  | 19960221 | ZA | 1995-5826   | 19950713 |
| NO   | 9605483   | A  | 19970128 | NO | 1996-5483   | 19961219 |
| FI   | 9700081   | A  | 19970108 | FI | 1997-81     | 19970108 |
| US   | 6040297   | A  | 20000321 | US | 1997-776138 | 19970114 |
| US   | 6080731   | A  | 20000627 | US | 1998-108350 | 19980701 |
| PRAI | EP 1994-202059  | A  | 19940715 |    |             |          |
|      | WO 1995-EP2676  | W  | 19950110 |    |             |          |
|      | US 1997-776138  | A3 | 19970114 |    |             |          |
| OS   | MARPAT 124:307569   |    |          |    |             |          |
| IT   | <b>175923-27-0P 175923-30-5P 175923-31-6P</b>   |    |          |    |             |          |
|      | RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)      |    |          |    |             |          |
|      | (synthesis and use of dinucleoside-5',5'-pyrophosphates as tumor inhibitors and antivirals)                           |    |          |    |             |          |
| RN   | 175923-27-0 CAPLUS  |    |          |    |             |          |
| CN   | Guanosine 5'-(trihydrogen diphosphate), 2',3'-dideoxy-, P'→5'-ester with 2',3'-dideoxyguanosine (9CI) (CA INDEX NAME) |    |          |    |             |          |

Absolute stereochemistry.

PAGE 1-A



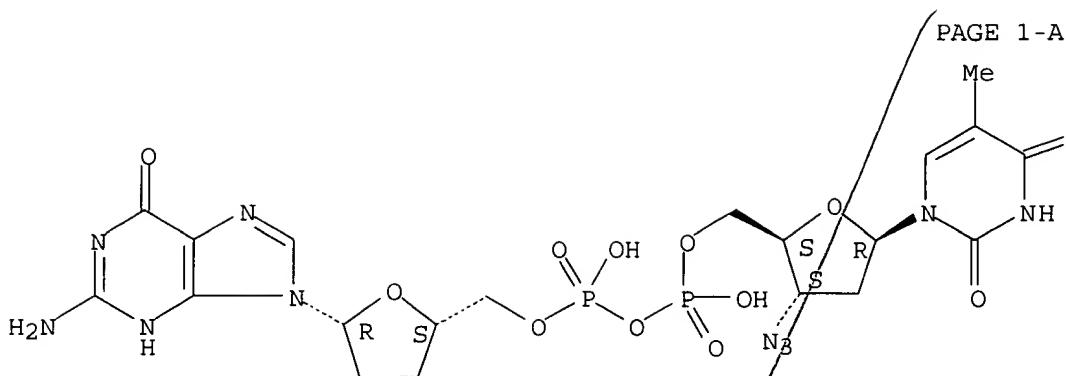
PAGE 1-B



RN 175923-30-5 CAPLUS

CN Guanosine 5'-(trihydrogen diphosphate), 2',3'-dideoxy-, P'→5'-ester with 3'-azido-3'-deoxythymidine (9CI) (CA INDEX NAME)

Absolute stereochemistry.



PAGE 1-B

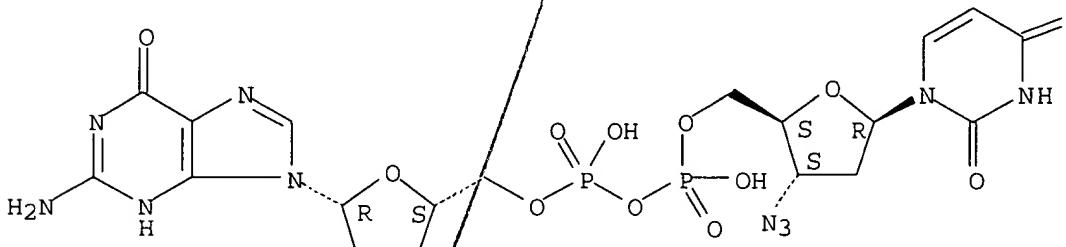
$\equiv O$

RN 175923-31-6 CAPLUS

CN Guanosine 5'-(trihydrogen diphosphate), 2',3'-dideoxy-, P'→5'-ester  
with 3'-azido-2',3'-dideoxyuridine (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

$\equiv O$

L6 ANSWER 49 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:124919 CAPLUS

DN 124:249746

TI Selective inhibition of the reverse transcription of duck hepatitis B virus by binding of 2',3'-dideoxyguanosine 5'-triphosphate to the viral polymerase

AU Howe, Anita Yee Mei; Robins, Morris Joseph; Wilson, John Scott; Tyrrell, David Lorne John

CS Department Medical Microbiology and Immunology, University Alberta, Edmonton, AB, T6G 2H7 Can.

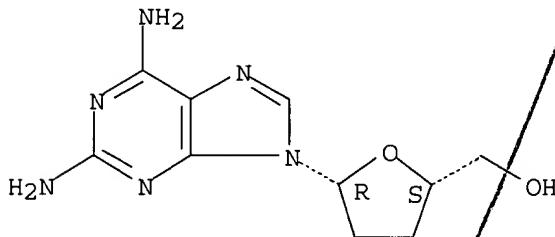
SO Hepatology (Philadelphia) (1996), 23(1), 87-96  
CODEN: HPTLD9; ISSN: 0270-9139

PB Saunders

DT Journal

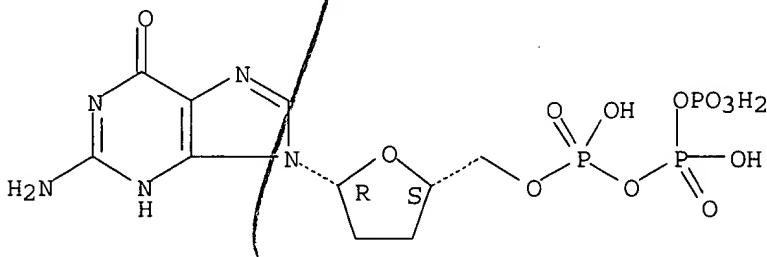
LA English  
 IT 107550-73-2  
 RL: BAC (Biological activity or effector except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
     (selective inhibition of reverse transcription of duck hepatitis B virus by binding of dideoxyguanosine 5'-triphosphate to viral polymerase in relation to antiviral activity of diaminopurine dideoxyriboside)  
 RN 107550-73-2 CAPLUS  
 CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 68726-28-3, 2',3'-Dideoxyguanosine 5'-triphosphate  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
     (selective inhibition of reverse transcription of duck hepatitis B virus by binding of dideoxyguanosine 5'-triphosphate to viral polymerase in relation to antiviral activity of diaminopurine dideoxyriboside)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



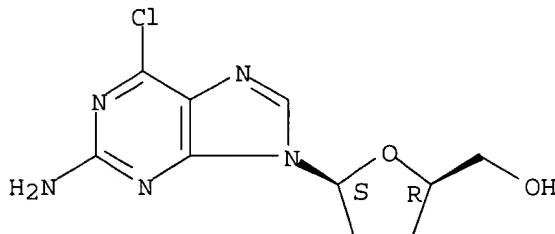
L6 ANSWER 50 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1995:897914 CAPLUS  
 DN 124:117842  
 TI Synthesis of a series of purine 2',3'-dideoxy-L-nucleoside analogs as potential antiviral agents  
 AU Lin, Tai-SHun; Luo, Mei-Zhen; Zhu, Ju-Liang; Liu, Mao-chin; Zhu, Yong-Lian; Dutschman, Ginger E.; Cheng, Yung-Chi  
 CS Department of Pharmacology, Yale University School of Medicine, New Haven, CT, 06520-8066, USA  
 SO Nucleosides & Nucleotides (1995), 14(8), 1759-83  
     CODEN: NUNUD5; ISSN: 0732-8311  
 PB Dekker  
 DT Journal  
 LA English  
 IT 160962-92-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)  
(synthesis of purine dideoxynucleoside analogs as potential antiviral agents)

RN 160962-92-5 CAPLUS

CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, (2R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 158850-67-0P 158850-70-5P 160962-93-6P

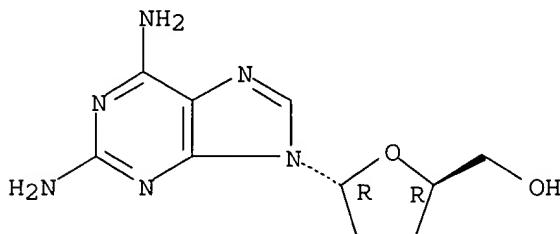
160962-97-0P 173009-44-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(synthesis of purine dideoxynucleoside analogs as potential antiviral agents)

RN 158850-67-0 CAPLUS

CN 2-Furanmethanol, 5-(2,6-diamino-9H-purin-9-yl)tetrahydro-, (2R-trans)- (9CI) (CA INDEX NAME)

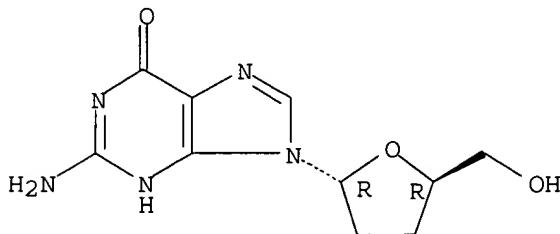
Absolute stereochemistry. Rotation (-).



RN 158850-70-5 CAPLUS

CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[tetrahydro-5-(hydroxymethyl)-2-furanyl]-, (2R-trans)- (9CI) (CA INDEX NAME)

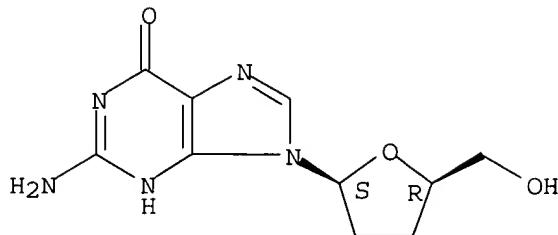
Absolute stereochemistry. Rotation (-).



RN 160962-93-6 CAPLUS

CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[(2S,5R)-tetrahydro-5-(hydroxymethyl)-2-furanyl]- (9CI) (CA INDEX NAME)

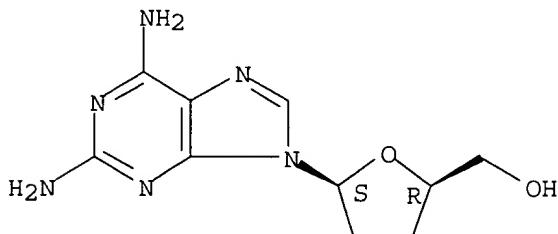
Absolute stereochemistry.



RN 160962-97-0 CAPLUS

CN 2-Furanmethanol, 5-(2,6-diamino-9H-purin-9-yl)tetrahydro-, (2R-cis)- (9CI)  
(CA INDEX NAME)

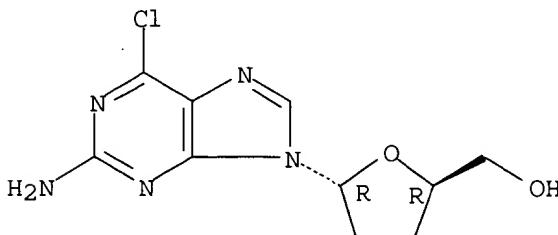
Absolute stereochemistry.



RN 173009-44-4 CAPLUS

CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-,  
(2R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



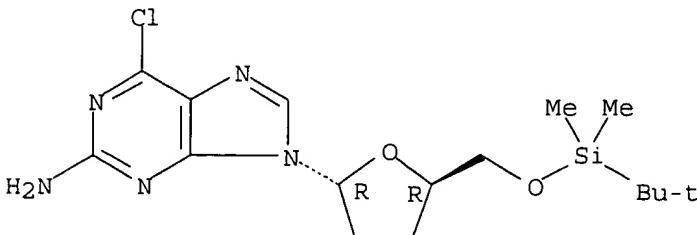
IT 173009-30-8P

RL: BYP (Byproduct); PREP (Preparation)  
(synthesis of purine dideoxynucleoside analogs as potential antiviral agents)

RN 173009-30-8 CAPLUS

CN 9H-Purin-2-amine, 6-chloro-9-[5-[(1,1-dimethylethyl)dimethylsilyl]oxy]methyltetrahydro-2-furanyl-, (2R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



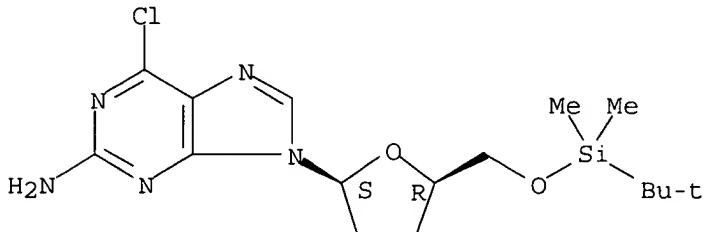
IT 160962-91-4P 172945-83-4P 173009-40-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(synthesis of purine dideoxynucleoside analogs as potential antiviral agents)

RN 160962-91-4 CAPLUS

CN 9H-Purin-2-amine, 6-chloro-9-[5-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]tetrahydro-2-furanyl]-, (2S-cis)- (9CI) (CA INDEX NAME)

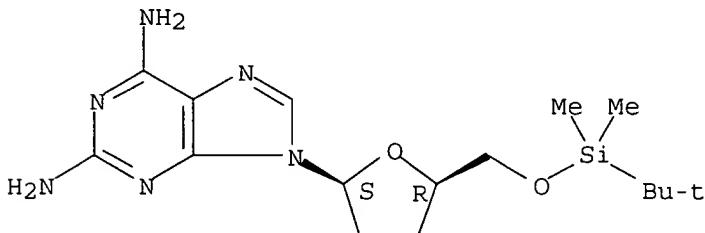
Absolute stereochemistry.



RN 172945-83-4 CAPLUS

CN 9H-Purine-2,6-diamine, 9-[5-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]tetrahydro-2-furanyl]-, (2S-cis)- (9CI) (CA INDEX NAME)

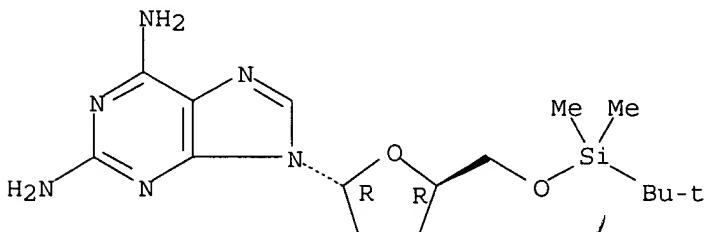
Absolute stereochemistry.



RN 173009-40-0 CAPLUS

CN 9H-Purine-2,6-diamine, 9-[5-[[[(1,1-dimethylethyl)dimethylsilyl]oxy]methyl]tetrahydro-2-furanyl]-, (2R-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 51 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:863207 CAPLUS

DN 123:279511

TI Enzymic characterization of human immunodeficiency virus type 1 reverse transcriptase resistant to multiple 2',3'-dideoxynucleoside 5'-triphosphates

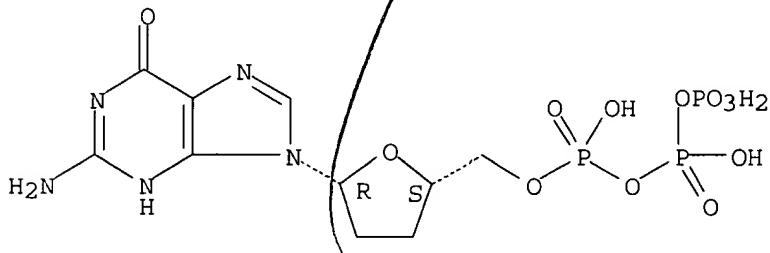
AU Ueno, Takamasa; Shirasaka, Takuma; Mitsuya, Hiroaki

CS Experimental Retrovirology Section, Med. Branch, Div. Cancer Treatment, NCI, Bethesda, MD, 20892, USA

SO Journal of Biological Chemistry (1995), 270(40), 23605-11  
 CODEN: JBCHA3; ISSN: 0021-9258  
 PB American Society for Biochemistry and Molecular Biology  
 DT Journal  
 LA English  
 IT 68726-28-3, DdGTP  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
     (enzymic characterization of human immunodeficiency virus type 1 reverse transcriptase resistant to multiple 2',3'-dideoxynucleoside 5'-triphosphates)

RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

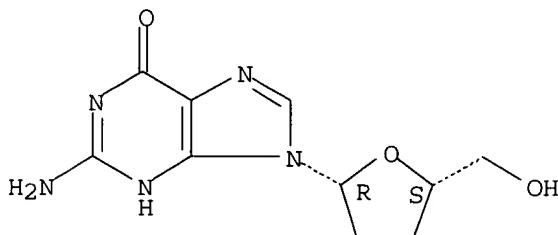


L6 ANSWER 52 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1995:835595 CAPLUS  
 DN 123:218377  
 TI Mixtures of dideoxy-nucleosides and hydroxycarbamide for inhibiting retroviral spread  
 IN Malley, Serge D.  
 PA Compagnie de developpement Aguettant, Fr.; Vila, Jorge R.  
 SO PCT Int. Appl., 23 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA French  
 FAN.CNT 3

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | WO 9517899  | A2   | 19950706 | WO 1995-IB153   | 19941220 |
|      | WO 9517899  | A3   | 19950810 |                 |          |
|      | W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KP, KR, KZ, LK, LV,<br>MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, UZ, VN      |      |          |                 |          |
|      | RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,<br>BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG |      |          |                 |          |
|      | US 5521161  | A    | 19960528 | US 1993-169253  | 19931220 |
|      | ZA 9409219  | A    | 19950801 | ZA 1994-9219    | 19941121 |
|      | CA 2179627  | AA   | 19950706 | CA 1994-2179627 | 19941220 |
|      | CA 2179627  | C    | 20000222 |                 |          |
|      | AU 9518212  | A1   | 19950717 | AU 1995-18212   | 19941220 |
|      | EP 735890   | A1   | 19961009 | EP 1995-909917  | 19941220 |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE   |      |          |                 |          |
|      | AT 216245   | E    | 20020515 | AT 1995-909917  | 19941220 |
|      | PT 735890   | T    | 20020930 | PT 1995-909917  | 19941220 |
|      | ES 2173948  | T3   | 20021101 | ES 1995-909917  | 19941220 |
|      | US 5736527  | A    | 19980407 | US 1996-617421  | 19960318 |
|      | AU 9911338  | A1   | 19990304 | AU 1999-11338   | 19990115 |
|      | AU 718325   | B2   | 20000413 |                 |          |
| PRAI | US 1993-169253  | A    | 19931220 |                 |          |
|      | AU 1995-18212   | A3   | 19941220 |                 |          |

IT WO 1995-IB153 W 19941220  
**85326-06-3**  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (mixts. of dideoxy-nucleosides and hydroxycarbamide for inhibiting retroviral spread)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

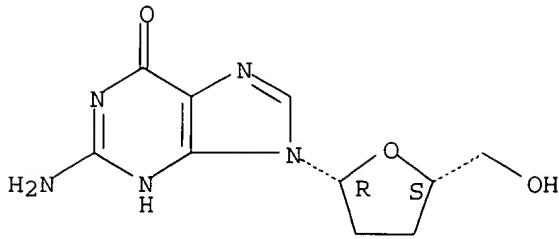
Absolute stereochemistry.



L6 ANSWER 53 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1995:789415 CAPLUS  
 DN 123:188556  
 TI Mixtures of dideoxynucleosides and d-aspartic acid  $\beta$ -hydroxamate for inhibiting retroviral spread  
 IN Vila, Jorge R.; Malley, Serge D.; Hamedi-Sangsari, Farid; Grange, Jacques M.  
 PA Compagnie de Developpement Aguettant, Fr.  
 SO PCT Int. Appl., 19 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

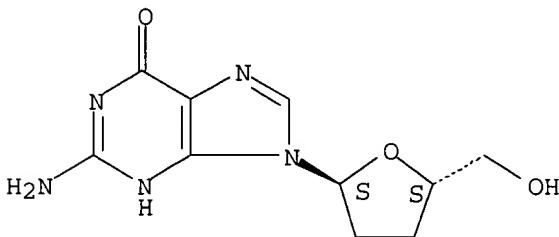
|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | WO 9517875  | A2   | 19950706 | WO 1995-IB6     | 19941220 |
|      | WO 9517875  | A3   | 19950727 |                 |          |
|      | W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KP, KR, KZ, LK, LV,<br>MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, UZ, VN<br>RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,<br>BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG |      |          |                 |          |
|      | AU 9512495  | A1   | 19950717 | AU 1995-12495   | 19941220 |
| PRAI | US 1993-169094  | A    | 19931220 |                 |          |
|      | WO 1995-IB6   | W    | 19941220 |                 |          |
| IT   | <b>85326-06-3, 2',3'-Dideoxyguanosine</b>   |      |          |                 |          |
|      | RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)<br>(dideoxynucleosides and aspartic acid hydroxamate for inhibiting retroviral spread)       |      |          |                 |          |
| RN   | 85326-06-3 CAPLUS   |      |          |                 |          |
| CN   | Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)   |      |          |                 |          |

Absolute stereochemistry.



L6 ANSWER 54 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1995:728603 CAPLUS  
 DN 123:160164  
 TI Anti-**HIV** and anti-**HBV** activities of  
 L-2',3'-dideoxynucleoside analogs: ddC, 5FddC, 5-AzaddC and ddG  
 AU Mansour, Tarek S.; Tse, Allan; Charron, Marie; Hooker, Elizabeth U.;  
 Ashman, Clare; Cammack, Nick; Cameron, Janet M.  
 CS BioChem. Therapeutic Inc., Laval, QC, H7V 4A7, Can.  
 SO Medicinal Chemistry Research (1995), 5(6), 417-25  
 CODEN: MCREEB; ISSN: 1054-2523  
 PB Birkhaeuser  
 DT Journal  
 LA English  
 IT 167356-46-9P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (dideoxynucleoside analog L enantiomer preparation and antiviral activity against **HIV-1** and hepatitis B viruses)  
 RN 167356-46-9 CAPLUS  
 CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[tetrahydro-5-(hydroxymethyl)-2-furanyl]-, (2S-trans)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 55 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1995:631052 CAPLUS  
 DN 123:102092  
 TI Modulators of nucleotide metabolism inhibit **HIV** replication in lymphoid cells and affect its inhibition by dideoxynucleosides  
 AU Srinivas, Ranga V.; Gong, Yi-Fei; Becher, Anna; Fridland, Arnold  
 CS Dep. of Infectious Diseases, St. Jude Children's Res. Hospital, Memphis, TN, 38101, USA  
 SO Nucleosides & Nucleotides (1995), 14(3-5), 641-4  
 CODEN: NUNUD5; ISSN: 0732-8311  
 PB Dekker  
 DT Journal  
 LA English  
 IT 85326-06-3, 2',3'-DideoxyGuanosine  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES

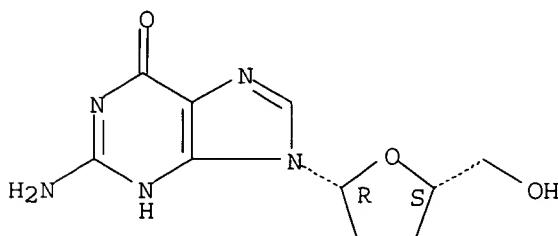
(Uses)

(modulators of nucleotide metabolism inhibit **HIV** virus replication in lymphoid cells and affect its inhibition by dideoxynucleosides)

RN 85326-06-3 CAPLUS

CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 56 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:445008 CAPLUS

DN 122:204640

TI Emergence of human immunodeficiency virus type 1 variants with resistance to multiple dideoxynucleosides in patients receiving therapy with dideoxynucleosides

AU Shirasaka, Takuma; Kavlick, Mark F.; Ueno, Takamasa; Gao, Wen-Yi; Kojima, Eiji; Alcaide, Maria L.; Chokekijchai, Sudhichai; Roy, Birgit M.; Arnold, Edward; et al.

CS Experimental Retrovirology Section, National Cancer Institute, Bethesda, MD, 20892, USA

SO Proceedings of the National Academy of Sciences of the United States of America (1995), 92(6), 2398-402

CODEN: PNASA6; ISSN: 0027-8424

PB National Academy of Sciences

DT Journal

LA English

IT **85326-06-3**, 2',3'-Dideoxyguanosine

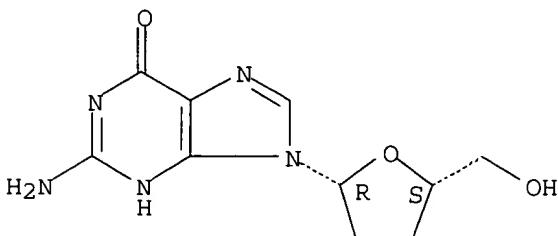
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(mutation in **HIV-1** reverse transcriptase and resistance to antiviral dideoxynucleosides)

RN 85326-06-3 CAPLUS

CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 57 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:347121 CAPLUS

DN 122:123093

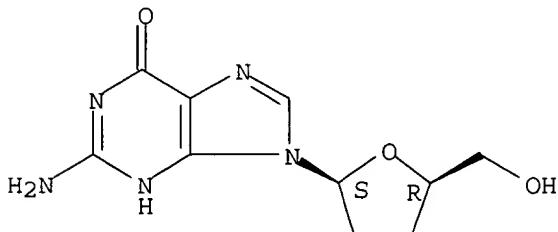
TI L-2-O,3-O-dideoxy nucleoside analogs as antihepatitis B (**hbv**)

and anti-HIV agents  
 IN Lin, Tai-Shun; Cheng, Yung-Chi  
 PA Yale University, USA  
 SO PCT Int. Appl., 54 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English  
 FAN. CNT 2

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | WO 9427616  | A1   | 19941208 | WO 1994-US5790  | 19940523 |
|      | W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU, JP, KG, KP, KR, KZ, LK, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, UZ, VN<br>RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG |      |          |                 |          |
|      | US 5627160  | A    | 19970506 | US 1993-98650   | 19930728 |
|      | CA 2163520  | AA   | 19941208 | CA 1994-2163520 | 19940523 |
|      | CA 2163520  | C    | 20060110 |                 |          |
|      | AU 9470430  | A1   | 19941220 | AU 1994-70430   | 19940523 |
|      | AU 693795   | B2   | 19980709 |                 |          |
|      | EP 707481   | A1   | 19960424 | EP 1994-919207  | 19940523 |
|      | EP 707481   | B1   | 20000816 |                 |          |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE   |      |          |                 |          |
|      | JP 08510747   | T2   | 19961112 | JP 1995-500872  | 19940523 |
|      | AT 195423   | E    | 20000915 | AT 1994-919207  | 19940523 |
|      | US 5830881  | A    | 19981103 | US 1996-724138  | 19960930 |
|      | HK 1013257  | A1   | 20010202 | HK 1998-114607  | 19981222 |
|      | GR 3034379  | T3   | 20001229 | GR 2000-402067  | 20000908 |
| PRAI | US 1993-67299   | A    | 19930525 |                 |          |
|      | US 1993-98650   | A    | 19930728 |                 |          |
|      | WO 1994-US5790  | W    | 19940523 |                 |          |
|      | US 1995-456635  | A3   | 19950601 |                 |          |
| OS   | MARPAT 122:123093   |      |          |                 |          |
| IT   | <b>160962-93-6P</b>   |      |          |                 |          |
|      | RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)<br>(dideoxy nucleoside analogs as antihepatitis B and anti-HIV agents)                                    |      |          |                 |          |
| RN   | 160962-93-6 CAPLUS  |      |          |                 |          |
| CN   | 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[(2S,5R)-tetrahydro-5-(hydroxymethyl)-2-furanyl]- (9CI) (CA INDEX NAME)   |      |          |                 |          |

Absolute stereochemistry.

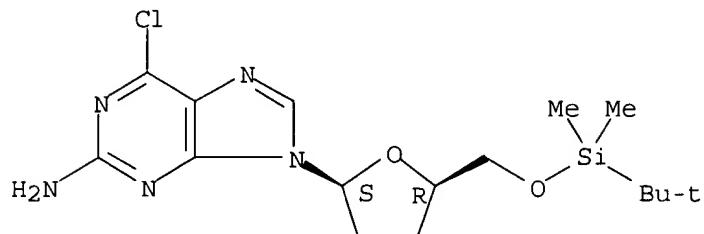


IT **160962-91-4P 160962-92-5P 160962-97-0P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(dideoxy nucleoside analogs as antihepatitis B and anti-HIV agents)

RN 160962-91-4 CAPLUS  
 CN 9H-Purin-2-amine, 6-chloro-9-[5-[(1,1-dimethylethyl)dimethylsilyl]oxy]me

thyl]tetrahydro-2-furanyl]-, (2S-cis)- (9CI) (CA INDEX NAME)

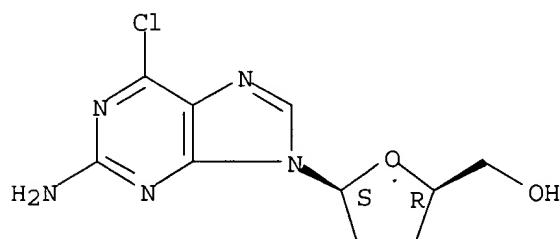
Absolute stereochemistry.



RN 160962-92-5 CAPLUS

CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, (2R-cis)- (9CI) (CA INDEX NAME)

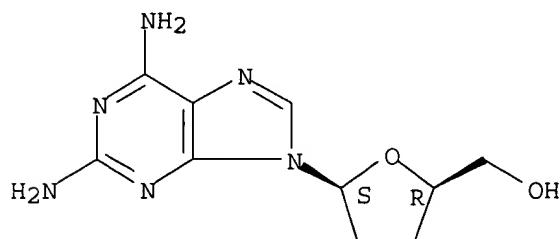
Absolute stereochemistry.



RN 160962-97-0 CAPLUS

CN 2-Furanmethanol, 5-(2,6-diamino-9H-purin-9-yl)tetrahydro-, (2R-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 58 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:271879 CAPLUS

DN 122:45795

TI Resistance to nucleoside analogs of selective mutants of human immunodeficiency virus type 2 reverse transcriptase

AU Perach, Michal; Rubinek, Tami; Hizi, Amnon

CS Tel Aviv Univ., Sackler Sch. Med., Tel Aviv, 69978, Israel

SO Journal of Virology (1995), 69(1), 509-12

CODEN: JOVIAM; ISSN: 0022-538X

PB American Society for Microbiology

DT Journal

LA English

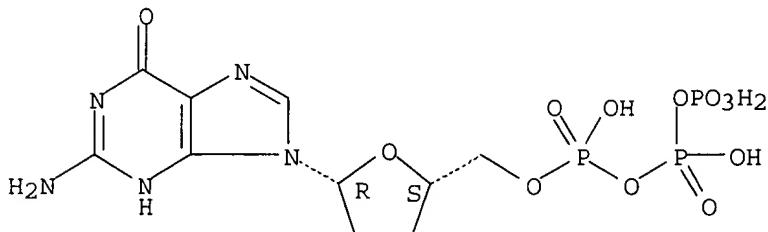
IT 68726-28-3, DdGTP

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)

(resistance to nucleoside analogs of selective mutants of human

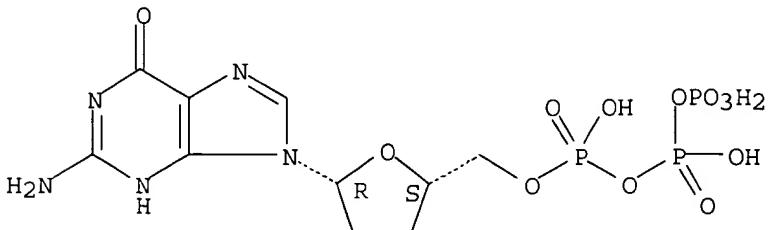
immunodeficiency virus type 2 reverse transcriptase)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  
 NAME)

Absolute stereochemistry.



L6 ANSWER 59 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1995:131284 CAPLUS  
 DN 122:23252  
 TI The K65R mutant reverse transcriptase of **HIV-1** cross-resistant to 2',3'-dideoxycytidine, 2',3'-dideoxy-3'-thiacytidine, and 2',3'-dideoxyinosine shows reduced sensitivity to specific dideoxynucleoside triphosphate inhibitors in vitro  
 AU Gu, Zhengxian; Fletcher, Ronald S.; Arts, Eric J.; Wainberg, Mark A.; Parniak, Michael A.  
 CS Lady Davis Inst. Med. Res., McGill Univ., Montreal, QC, H3T 1E2, Can.  
 SO Journal of Biological Chemistry (1994), 269(45), 28118-22  
 CODEN: JBCHA3; ISSN: 0021-9258  
 PB American Society for Biochemistry and Molecular Biology  
 DT Journal  
 LA English  
 IT 68726-28-3, DdGTP  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
 (K65R mutant reverse transcriptase of **HIV-1** cross-resistant to dideoxycytidine and dideoxythiacytidine and dideoxyinosine shows reduced sensitivity to specific dideoxynucleoside triphosphate inhibitors in vitro)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  
 NAME)

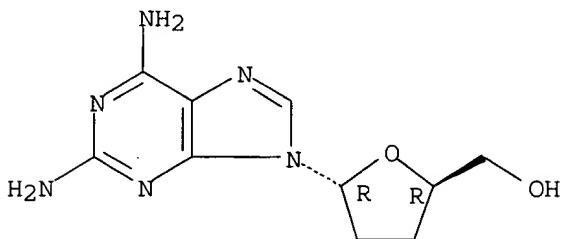
Absolute stereochemistry.



L6 ANSWER 60 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1994:681051 CAPLUS  
 DN 121:281051  
 TI Synthesis and biological evaluation of pyrimidine and purine  $\alpha$ -L-2',3'-dideoxy nucleosides  
 AU Van Draanen, Nanine A.; Koszalka, George W.

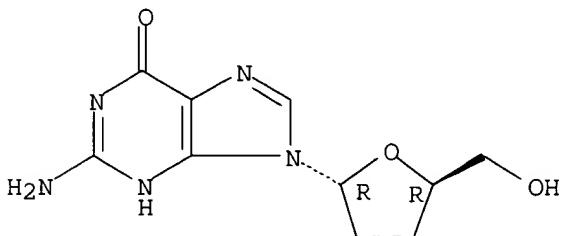
CS Div. Experimental Therapy, Burroughs Wellcome Co., Research Triangle Park,  
 NC, 27709, USA  
 SO Nucleosides & Nucleotides (1994), 13(8), 1679-93  
 CODEN: NUNUD5; ISSN: 0732-8311  
 DT Journal  
 LA English  
 IT **158850-67-0P 158850-70-5P**  
 RL: BAC (Biological activity or effector, except adverse); BPN  
 (Biosynthetic preparation); BSU (Biological study, unclassified); SPN  
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation and antiviral activity of  $\alpha$ -L-dideoxy nucleosides)  
 RN 158850-67-0 CAPLUS  
 CN 2-Furanmethanol, 5-(2,6-diamino-9H-purin-9-yl)tetrahydro-, (2R-trans)-  
 (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 158850-70-5 CAPLUS  
 CN 6H-Purin-6-one, 2-amino-1,9-dihydro-9-[tetrahydro-5-(hydroxymethyl)-2-furanyl]-, (2R-trans)- (9CI) (CA INDEX NAME)

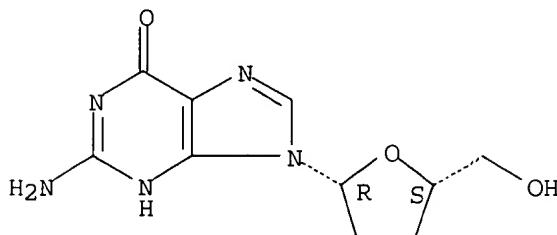
Absolute stereochemistry. Rotation (-).



L6 ANSWER 61 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1994:671374 CAPLUS  
 DN 121:271374  
 TI Effect of anti-HIV 2'- $\beta$ -fluoro-2',3'-dideoxynucleoside  
 analogs on the cellular content of mitochondrial DNA and on lactate  
 production  
 AU Tsai, Ching-Hwa; Doong, Shin-Lian; Johns, David G.; Driscoll, John S.;  
 Cheng, Yung-Chi  
 CS Sch. Med., Yale Univ., New Haven, CT, 06510, USA  
 SO Biochemical Pharmacology (1994), 48(7), 1477-81  
 CODEN: BCPCA6; ISSN: 0006-2952  
 DT Journal  
 LA English  
 IT **85326-06-3**  
 RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or  
 effector, except adverse); BSU (Biological study, unclassified); THU  
 (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (effect of anti-HIV 2'- $\beta$ -fluoro-2',3'-dideoxynucleoside  
 analogs on the cellular content of mitochondrial DNA and on lactate

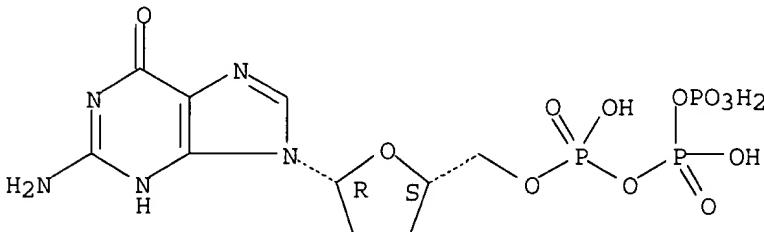
production)  
RN 85326-06-3 CAPLUS  
CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 62 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1994:595079 CAPLUS  
DN 121:195079  
TI Resistance of **HIV-1** reverse transcriptase against [2',5'-bis-O-(tert-butyldimethylsilyl)-3'-spiro-5"--(4"-amino-1",2"-oxathiole-2",2"-dioxide)] (TSAO) derivatives is determined by the mutation Glu138 → Lys on the p51 subunit  
AU Jonckheere, Heidi; Taymans, Jean-Marc; Balzarini, Jan; Velazquez, Sonsoles; Camarasa, Maria-Jose; Desmyter, Jan; De Clercq, Erik; Anne, Jozef  
CS Rega Inst. Med. Res., Katholieke Univ. Leuven, Louvain, B-3000, Belg.  
SO Journal of Biological Chemistry (1994), 269(41), 25255-8  
CODEN: JBCHA3; ISSN: 0021-9258  
DT Journal  
LA English  
IT 68726-28-3  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(resistance of **HIV-1** reverse transcriptase against [(butyldimethylsilyl)spiro(aminoxathioledioxide)] derivs. is determined by mutation Glu138 → Lys on p51 subunit)  
RN 68726-28-3 CAPLUS  
CN Guanosine 5'- (tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

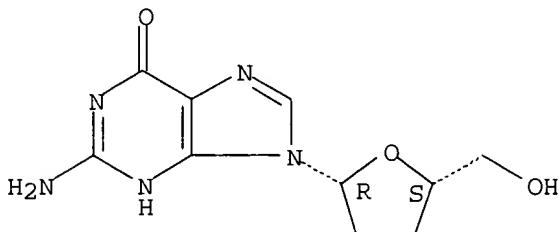
Absolute stereochemistry.



L6 ANSWER 63 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1994:534653 CAPLUS  
DN 121:134653  
TI Chemistry and anti-**HIV** activity of 2'-β-fluoro-2',3'-dideoxyguanosine  
AU Ford, Harry, Jr.; Driscoll, John S.; Siddiqui, Maqbool; Kelley, James A.; Mitsuya, Hiroaki; Shirasaka, Takuma; Johns, David G.; Marquez, Victor E.

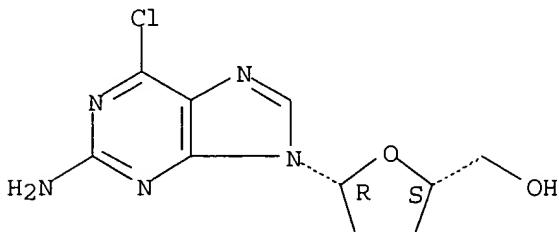
CS Lab. Med. Chem., Natl. Cancer Inst., Bethesda, MD, 20892, USA  
 SO Nucleosides & Nucleotides (1994), 13(1-3), 213-34  
 CODEN: NUNUD5; ISSN: 0732-8311  
 DT Journal  
 LA English  
 IT **85326-06-3**  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (antiviral activity and metabolic stability of)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



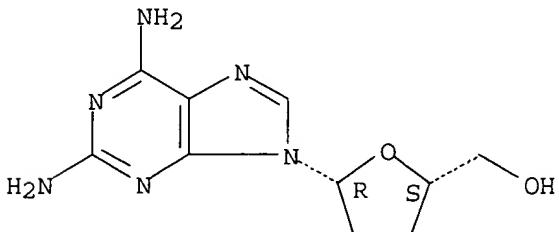
IT **122970-35-8**  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (metabolic stability of)  
 RN 122970-35-8 CAPLUS  
 CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, (2S,5R)-  
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



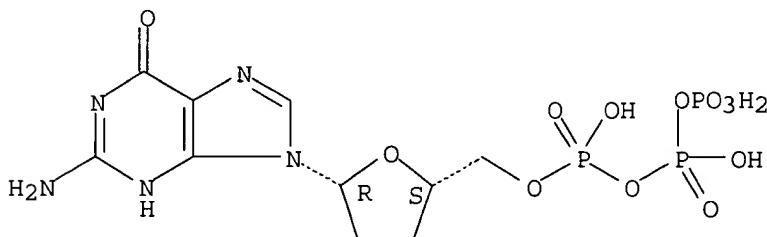
IT **107550-73-2**  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (octanol-water partition coefficient and metabolic stability of)  
 RN 107550-73-2 CAPLUS  
 CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



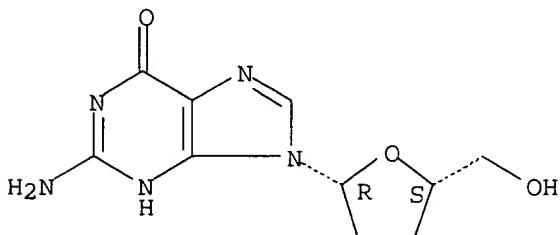
DN 121:99137  
 TI Sensitivity of (138 Glu → Lys) mutated human immunodeficiency virus type 1 (**HIV-1**) reverse transcriptase (RT) to **HIV**-1-specific RT inhibitors  
 AU Balzarini, Jan; Kleim, Joerg-Peter; Riess, Guenther; Camarasa, Maria Jose; De Clercq, Erik; Karlsson, Anna  
 CS Rega Inst. Med. Res., Katholieke Univ. Leuven, Louvain, B-3000, Belg.  
 SO Biochemical and Biophysical Research Communications (1994), 201(3), 1305-12  
 CODEN: BBRCA9; ISSN: 0006-291X  
 DT Journal  
 LA English  
 IT 68726-28-3, DdGTP  
 RL: BIOL (Biological study)  
 (HIV-1 mutant reverse transcriptase sensitivity to)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 85326-06-3, 2',3'-Dideoxyguanosine  
 RL: BIOL (Biological study)  
 (anti-**HIV-1** activity of, reverse transcriptase inhibition in relation to)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

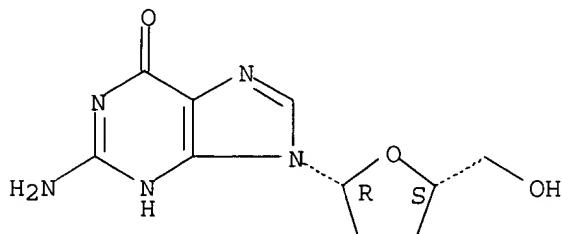
Absolute stereochemistry.



L6 ANSWER 65 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1994:315255 CAPLUS  
 DN 120:315255  
 TI Divergent anti-human immunodeficiency virus activity and anabolic phosphorylation of 2',3'-dideoxynucleoside analogs in resting and activated human cells  
 AU Gao, Wen Yi; Agbaria, Riad; Driscoll, John S.; Mitsuya, Hiroaki  
 CS Exp. Retrovirol. Sect., Natl. Cancer Inst., Bethesda, MD, 20892, USA  
 SO Journal of Biological Chemistry (1994), 269(17), 12633-8  
 CODEN: JBCHA3; ISSN: 0021-9258  
 DT Journal  
 LA English

IT 85326-06-3, 2',3'-Dideoxy-guanosine  
 RL: BIOL (Biological study)  
     (anti-human immunodeficiency virus activity and anabolic  
     phosphorylation of)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

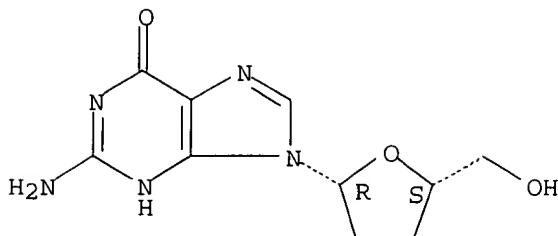
Absolute stereochemistry.



L6 ANSWER 66 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1994:299207 CAPLUS  
 DN 120:299207  
 TI Preparation of deoxy- and dideoxynucleosides useful as synthetic  
     intermediates  
 IN Beigelman, Leonid; Matulic-Academic, Jasenka  
 PA Ribozyme Pharmaceuticals, Inc., USA  
 SO PCT Int. Appl., 23 pp.  
     CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

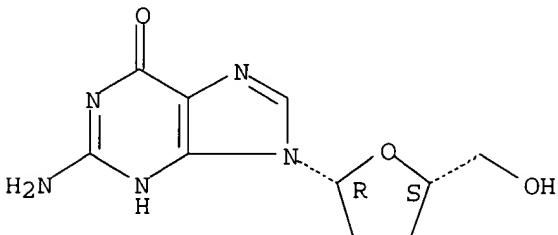
|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | WO 9323413  | A1   | 19931125 | WO 1993-US4239  | 19930506 |
|      | W: AU, CA, JP   |      |          |                 |          |
|      | RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE    |      |          |                 |          |
|      | US 5506349  | A    | 19960409 | US 1992-882479  | 19920513 |
|      | AU 9342341  | A1   | 19931213 | AU 1993-42341   | 19930506 |
|      | EP 640091   | A1   | 19950301 | EP 1993-911072  | 19930506 |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE |      |          |                 |          |
|      | JP 07508022   | T2   | 19950907 | JP 1993-503628  | 19930506 |
| PRAI | US 1992-882479  | A    | 19920513 |                 |          |
|      | US 1992-882572  | A    | 19920513 |                 |          |
|      | US 1992-910649  | A    | 19920708 |                 |          |
|      | US 1992-919544  | A    | 19920724 |                 |          |
|      | WO 1993-US4239  | A    | 19930506 |                 |          |
| OS   | CASREACT 120:299207   |      |          |                 |          |
| IT   | <b>85326-06-3P, 2',3'-Dideoxyguanosine</b>                            |      |          |                 |          |
|      | RL: SPN (Synthetic preparation); PREP (Preparation)                   |      |          |                 |          |
|      | (preparation of, method for)  |      |          |                 |          |
| RN   | 85326-06-3 CAPLUS   |      |          |                 |          |
| CN   | Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)                       |      |          |                 |          |

Absolute stereochemistry.



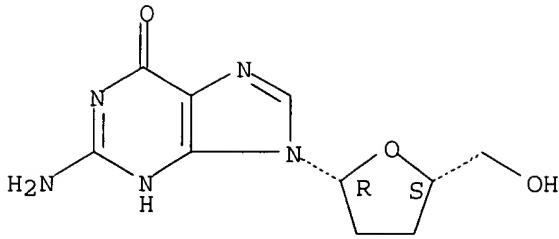
L6 ANSWER 67 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1994:209852 CAPLUS  
 DN 120:209852  
 TI Antiviral drug resistance mutations in human immunodeficiency virus type 1 reverse transcriptase occur in specific RNA structural regions  
 AU Schinazi, Raymond F.; Lloyd, Robert M., Jr.; Ramanathan, Chandra S.; Taylor, Ethan Will  
 CS Veterans Aff. Med. Cent., Decatur, GA, 30033, USA  
 SO Antimicrobial Agents and Chemotherapy (1994), 38(2), 268-74  
 CODEN: AMACQ; ISSN: 0066-4804  
 DT Journal  
 LA English  
 IT **85326-06-3**, 2',3'-Dideoxy-guanosine  
 RL: PRP (Properties)  
     (HIV-1 virus resistant to, reverse transcriptase gene mutation in)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



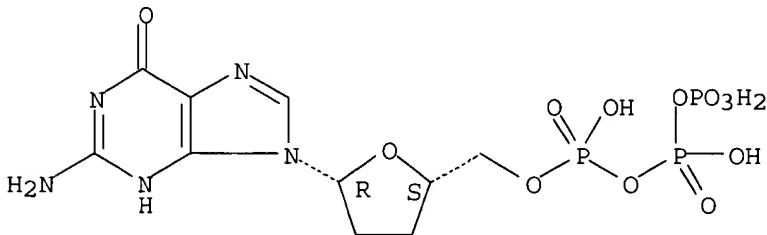
L6 ANSWER 68 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1994:164799 CAPLUS  
 DN 120:164799  
 TI Solid-State and Solution Conformations of the Potent HIV Inhibitor, 4'-Azidothymidine  
 AU Maag, Hans; Nelson, Janis T.; Steiner, Jorge L. Rios; Prisbe, Ernest J.  
 CS Institute of Bio-Organic Chemistry and Analytical Research, Syntex Discovery Research, Palo Alto, CA, 94304, USA  
 SO Journal of Medicinal Chemistry (1994), 37(4), 431-8  
 CODEN: JMCMAR; ISSN: 0022-2623  
 DT Journal  
 LA English  
 IT **85326-06-3**  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
     (solid-state and solution conformations of)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 69 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1994:124225 CAPLUS  
 DN 120:124225  
 TI Characterization of **HIV** reverse transcriptases with Tyr181 cc  
 Cys and Leu100 cc 1le mutations  
 AU Zhang, H.; Vrang, L.; Unge, T.; Oeberg, B.  
 CS Medivir AB, Huddinge, S-141 44, Swed.  
 SO Antiviral Chemistry & Chemotherapy (1993), 4(5), 301-8  
 CODEN: ACCHEH; ISSN: 0956-3202  
 DT Journal  
 LA English  
 IT 68726-28-3, DdGTP  
 RL: BIOL (Biological study)  
 (HIV reverse transcriptase inhibition by, characterization  
 of)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'- (tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  
 NAME)

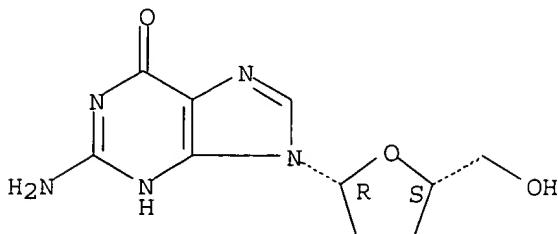
Absolute stereochemistry.



L6 ANSWER 70 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1993:573603 CAPLUS  
 DN 119:173603  
 TI Human immunodeficiency virus type 1 (**HIV-1**) strains selected for  
 resistance against the **HIV-1**-specific [2',5'-bis-O-(tert-  
 butyldimethylsilyl)-3'-spiro-5'''-(4'''-amino-1'',2''-oxathiole-2'',2'''-  
 dioxide)]-β-D-pentafuranosyl (TSAO) nucleoside analogs retain  
 sensitivity to **HIV-1**-specific nonnucleoside inhibitors  
 AU Balzarini, J.; Karlsson, A.; Vandamme, A. M.; Perez-Perez, M. J.; Zhang,  
 H.; Vrang, L.; Oberg, B.; Backbro, K.; Unge, T.; et al.  
 CS Rega Inst. Med. Res., Kathol. Univ. Leuven, Louvain, B-3000, Belg.  
 SO Proceedings of the National Academy of Sciences of the United States of  
 America (1993), 90(15), 6952-6  
 CODEN: PNASA6; ISSN: 0027-8424  
 DT Journal  
 LA English  
 IT 85326-06-3  
 RL: BIOL (Biological study)  
 (HIV-1 strains inhibition by, structure in relation to)  
 RN 85326-06-3 CAPLUS

CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 71 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:552066 CAPLUS

DN 119:152066

TI Anti-human immunodeficiency virus (anti-HIV) proteins GAP 31, DAP 30, and DAP 32, DNA coding therefor, and therapeutic uses thereof

IN Lee-Huang, Sylvia; Kung, Hsiang Fu; Huang, Paul L.; Huang, Philip L.; Huang, Peter; Huang, Henry I.; Chen, Hao Chia

PA New York University, USA; American Biosciences, Inc.; United States Dept. of Health and Human Services

SO PCT Int. Appl., 73 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

|    | PATENT NO. | KIND | DATE     | APPLICATION NO. | DATE     |
|----|------------|------|----------|-----------------|----------|
| PI | WO 9304085 | A1   | 19930304 | WO 1992-US7142  | 19920826 |

W: AU, CA, JP  
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE

US 5317009 A 19940531 US 1991-749541 19910826

AU 9225104 A1 19930316 AU 1992-25104 19920826

AU 674129 B2 19961212

JP 07500729 T2 19950126 JP 1992-504642 19920826

EP 647272 A1 19950412 EP 1992-918962 19920826

EP 647272 B1 20030730

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, SE

AT 246248 E 20030815 AT 1992-918962 19920826

PRAI US 1991-749541 A 19910826

WO 1992-US7142 A 19920826

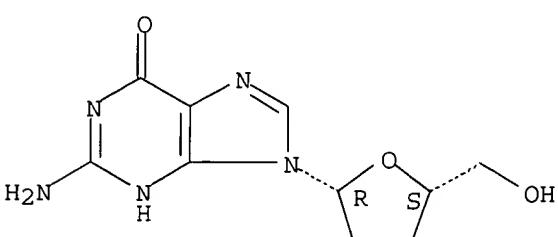
IT 85326-06-3

RL: BIOL (Biological study)  
(GAP 31 protein of *Gelonium multiflorum* and DAP 30 and DAP 32 proteins of *Dianthus caryophyllus* and, for human immunodeficiency virus inhibition)

RN 85326-06-3 CAPLUS

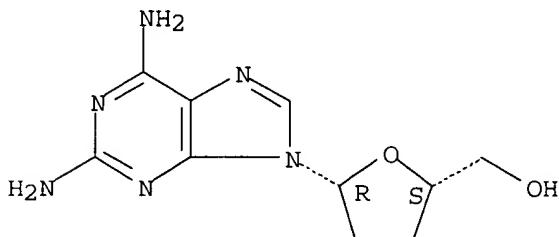
CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



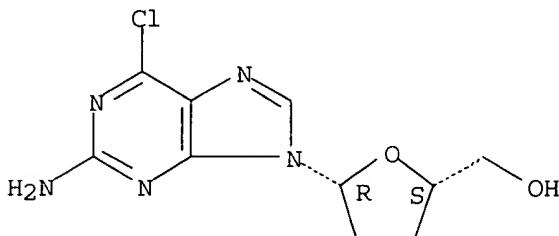
L6 ANSWER 72 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1993:530919 CAPLUS  
 DN 119:130919  
 TI QSAR of **HIV** inhibitors  
 AU Hansch, Corwin; Zhang, Litai  
 CS Dep. Chem., Pomona Coll., Claremont, CA, 91711, USA  
 SO Bioorganic & Medicinal Chemistry Letters (1992), 2(9), 1165-9  
 CODEN: BMCLE8; ISSN: 0960-894X  
 DT Journal  
 LA English  
 IT **107550-73-2 122970-35-8**  
 RL: BIOL (Biological study)  
 (HIV virus inhibitor, QSAR of)  
 RN 107550-73-2 CAPLUS  
 CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



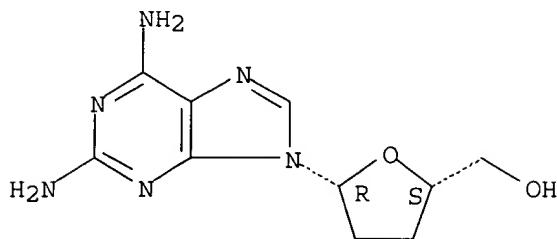
RN 122970-35-8 CAPLUS  
 CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, (2S,5R)-  
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 73 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1993:462488 CAPLUS  
 DN 119:62488  
 TI In vitro anti-human immunodeficiency virus activity of  
 2',3'-dideoxynucleosides and their effect on clonal growth of hemopoietic  
 cells from human bone marrow  
 AU Cinatl, J., Jr.; Cinatl, J.; Rabenau, H.; Guembel, H.; Doerr, H. W.  
 CS Inst. Med. Virol., Johann Wolfgang Goethe-Univ., Frankfurt/Main, Germany  
 SO Arzneimittel-Forschung (1993), 43(5), 622-5  
 CODEN: ARZNAD; ISSN: 0004-4172  
 DT Journal  
 LA English  
 IT **107550-73-2**, 2,6-Diaminopurine-2',3'-dideoxyriboside  
 RL: BIOL (Biological study)  
 (anti-HIV activity and bone marrow toxicity of)  
 RN 107550-73-2 CAPLUS  
 CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 74 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:440243 CAPLUS

DN 119:40243

TI Human immunodeficiency virus type 1-specific [2',5'-bis-O-(tert-butyldimethylsilyl)-β-D-ribofuranosyl]-3'-spiro-5''-(4''-amino-1'',2''-oxathiole-2'',2''-dioxide)-purine analogs show a resistance spectrum that is different from that of the human immunodeficiency virus type 1-specific non-nucleoside analogs

AU Balzarini, Jan; Velazquez, Sonsoles; San-Felix, Ana; Karlsson, Anna; Perez-Perez, Maria Jesus; Camarasa, Maria Jose; De Clercq, Erik

CS Rega Inst. Med. Res., Kathol. Univ. Leuven, Louvain, B-3000, Belg.

SO Molecular Pharmacology (1993), 43(1), 109-14

CODEN: MOPMA3; ISSN: 0026-895X

DT Journal

LA English

IT 85326-06-3, 2',3'-Dideoxyguanosine

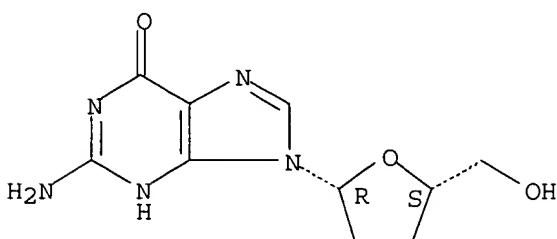
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(antiviral activity of, against human immunodeficiency virus type 1, resistance and structure in relation to)

RN 85326-06-3 CAPLUS

CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 75 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:247026 CAPLUS

DN 118:247026

TI Kinetics of different human immunodeficiency virus type 1 reverse transcriptases resistant to human immunodeficiency virus type 1-specific reverse transcriptase inhibitors

AU Debyser, Z.; De Vreese, K.; Knops-Gerrits, P. P.; Baekelandt, V.; Bhikhambhai, R.; Strandberg, B.; Pauwels, R.; Anne, J.; Desmyter, J.; De Clercq, E.

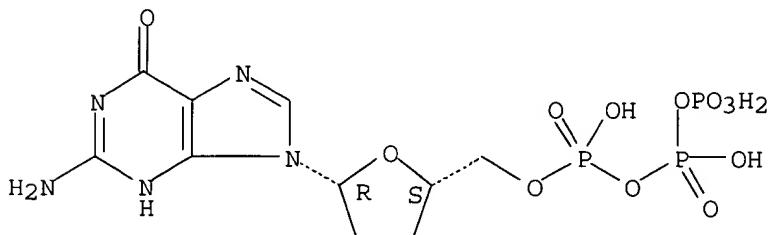
CS Rega Inst. Med. Res., Kathol. Univ. Leuven, Louvain, B-3000, Belg.

SO Molecular Pharmacology (1993), 43(4), 521-6

CODEN: MOPMA3; ISSN: 0026-895X

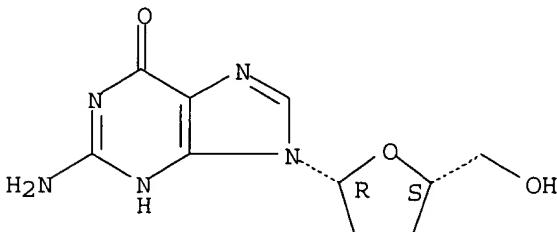
DT Journal  
 LA English  
 IT 68726-28-3, DdGTP  
 RL: BIOL (Biological study)  
 (reverse transcriptase inhibition by, mutation effect on, HIV  
 -1 inhibition relation to)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



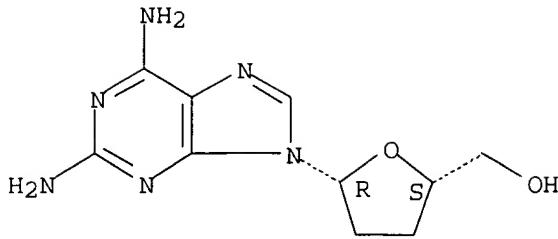
L6 ANSWER 76 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1993:246913 CAPLUS  
 DN 118:246913  
 TI Synthesis and structure-activity relationships of 2',3'-dideoxypurine nucleosides as potential antiretroviral agents  
 AU Kojima, Eiji; Shirasaka, Takuma; Machida, Makoto; Yoshioka, Hidetoshi; Murakami, Kunichika; Mitsuya, Hiroaki  
 CS Res. Lab. Bioresourc., Sanyo-Kokusaku Pulp Co. Ltd., Iwakuni, 740, Japan  
 SO Nucleic Acids Symposium Series (1991), 25(Symp. Nucleic Acids Chem., 18th, 1991), 91-2  
 CODEN: NACSD8; ISSN: 0261-3166  
 DT Journal  
 LA English  
 IT 85326-06-3 107550-73-2 107550-74-3  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
 (antiretroviral activity of, structure in relation to)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



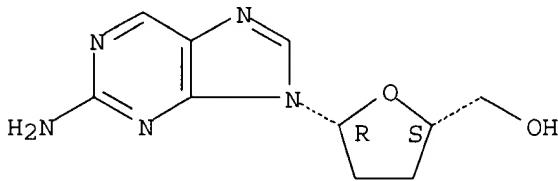
RN 107550-73-2 CAPLUS  
 CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



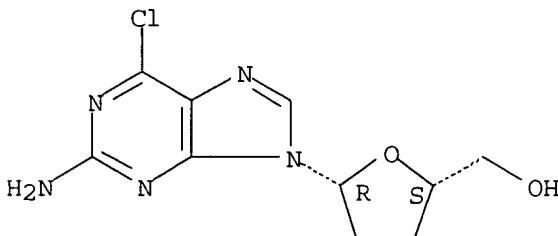
RN 107550-74-3 CAPLUS  
 CN 2-Furanmethanol, 5-(2-amino-9H-purin-9-yl)tetrahydro-, (2S-cis)- (9CI)  
 (CA INDEX NAME)

Absolute stereochemistry.



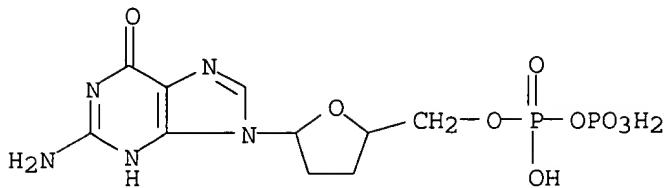
IT 122970-35-8  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
 (antiretroviral activity of, structure in relation to, in human and laboratory animal cells)  
 RN 122970-35-8 CAPLUS  
 CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 77 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1993:246889 CAPLUS  
 DN 118:246889  
 TI Anomalous accumulation and decay of 2',3'-dideoxyadenosine 5'-triphosphate in human T-cell cultures exposed to the anti-HIV drug 2',3'-dideoxyinosine  
 AU Ahluwalia, Gurpreet; Cooney, David A.; Hartman, Neil R.; Mitsuya, Hiroaki; Yarchoan, Robert; Fridland, Arnold; Broder, Samuel; Johns, David G.  
 CS Lab. Med. Chem., Natl. Cancer Inst., Bethesda, MD, 20892, USA  
 SO Drug Metabolism and Disposition (1993), 21(2), 369-76  
 CODEN: DMDSAI; ISSN: 0090-9556  
 DT Journal  
 LA English  
 IT 84328-12-1, 2',3'-Dideoxyguanosine 5'-diphosphate  
 RL: FORM (Formation, nonpreparative)  
 (formation of, from dideoxyadenosine, by human T-lymphocyte)  
 RN 84328-12-1 CAPLUS

CN Guanosine 5'-(trihydrogen diphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)



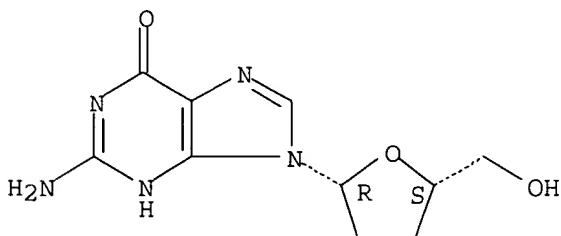
IT 85326-06-3, 2',3'-Dideoxyguanosine

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(pharmacokinetics of, in human T-lymphocyte)

RN 85326-06-3 CAPLUS

CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



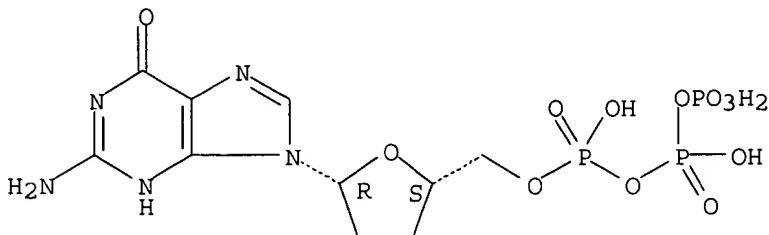
IT 68726-28-3, 2',3'-Dideoxyguanosine 5'-triphosphate

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(pharmacokinetics of, in human T-lymphocyte treated with dideoxyguanosine)

RN 68726-28-3 CAPLUS

CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 78 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:132112 CAPLUS

DN 118:132112

TI Transformed erythrocytes, process for preparing the same, and their use in pharmaceutical compositions

IN Magnani, Mauro; Rossi, Luigia

PA Communaute Economique Europeenne (CEE), Luxembourg

SO Eur. Pat. Appl., 18 pp.

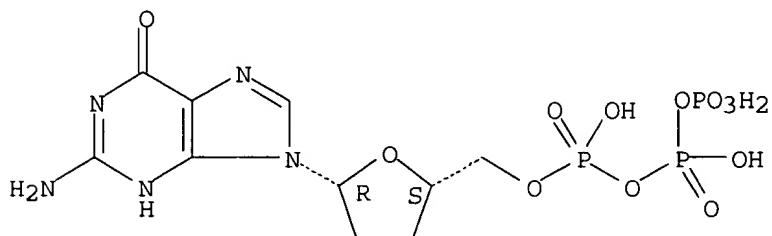
CODEN: EPXXDW

DT Patent  
LA English  
FAN CNT 1

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | EP 517986   | A1   | 19921216 | EP 1991-401602  | 19910614 |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE |      |          |                 |          |
|      | CA 2102619  | AA   | 19921215 | CA 1992-2102619 | 19920609 |
|      | WO 9222306  | A1   | 19921223 | WO 1992-EP1291  | 19920609 |
|      | W: CA, JP, US   |      |          |                 |          |
|      | JP 06510742   | T2   | 19941201 | JP 1992-510441  | 19920609 |
|      | US 5753221  | A    | 19980519 | US 1993-146060  | 19931103 |
| PRAI | EP 1991-401602  | A    | 19910614 |                 |          |
|      | WO 1992-EP1291  | W    | 19920609 |                 |          |

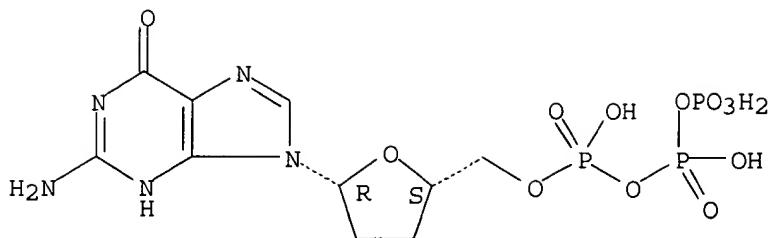
IT **68726-28-3**  
RL: BIOL (Biological study)  
(transformed erythrocytes containing, for treatment of RNA virus infections)  
RN 68726-28-3 CAPLUS  
CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 79 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1993:3753 CAPLUS  
DN 118:3753  
TI Mutagenesis of the Glu-89 residue in human immunodeficiency virus type 1 (**HIV-1**) and **HIV-2** reverse transcriptases: effects on nucleoside analog resistance  
AU Song, Qingbin; Yang, Guozhe; Goff, Stephen P.; Prasad, Vinayaka R.  
CS Dep. Microbiol. Immunol., Albert Einstein Coll. Med., Bronx, NY,  
10461-1602, USA  
SO Journal of Virology (1992), 66(12), 7568-71  
CODEN: JOVIAM; ISSN: 0022-538X  
DT Journal  
LA English  
IT **68726-28-3**, DdGTP  
RL: BIOL (Biological study)  
(**HIV-1** and **HIV-2** viruses resistance to, reverse transcriptase mutation in relation to)  
RN 68726-28-3 CAPLUS  
CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 80 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1992:604598 CAPLUS

DN 117:204598

TI Use of a standardized cell culture assay to assess activities of nucleoside analogs against hepatitis B virus replication

AU Korba, Brent E.; Gerin, John L.

CS Div. Mol. Virol. Immunol., Georgetown Univ., Rockville, MD, 20852, USA

SO Antiviral Research (1992), 19(1), 55-70

CODEN: ARSRDR; ISSN: 0166-3542

DT Journal

LA English

IT 85326-06-3 107550-73-2

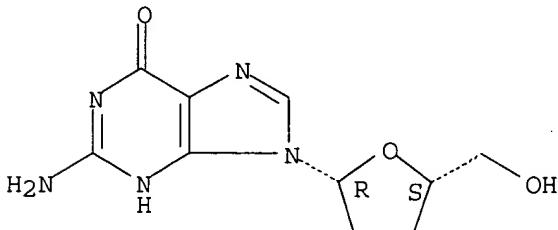
RL: BIOL (Biological study)

(antiviral activity against hepatitis B of, cell cultures assay for determination of)

RN 85326-06-3 CAPLUS

CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

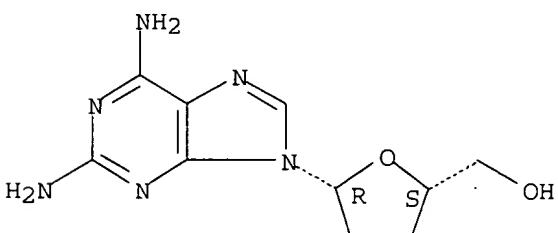
Absolute stereochemistry.



RN 107550-73-2 CAPLUS

CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 81 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1992:528073 CAPLUS

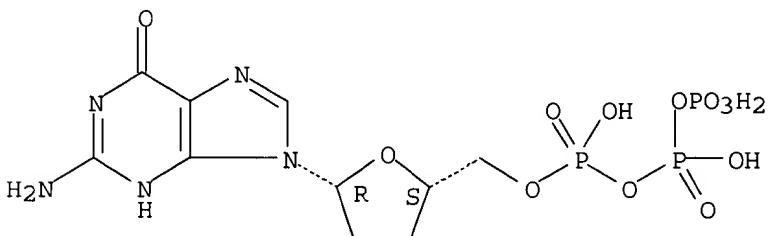
DN 117:128073

TI Differential inhibitory effects of TIBO derivatives on different strains of simian immunodeficiency virus

AU Debyser, Zeger; De Vreese, Karen; Pauwels, Rudi; Yamamoto, Naohiko; Anne,

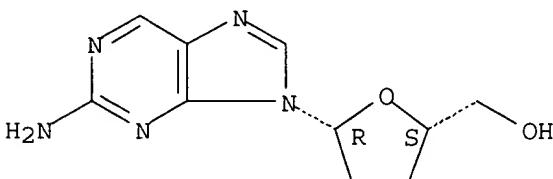
CS Jozef; De Clercq, Erik; Desmyter, Jan  
 SO Rega Inst. Med. Res., Kathol. Univ. Leuven, Louvain, B-3000, Belg.  
 Journal of General Virology (1992), 73(7), 1799-804  
 CODEN: JGVIAY; ISSN: 0022-1317  
 DT Journal  
 LA English  
 IT 68726-28-3  
 RL: BIOL (Biological study)  
 (simian immunodeficiency virus inhibition by)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'- (tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 82 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1992:503631 CAPLUS  
 DN 117:103631  
 TI The enzymic synthesis and anti-HIV activity of  
 9- $\beta$ -D-2'-deoxy and 9- $\beta$ -D-2',3'-dideoxynucleosides of  
 2-aminopurine  
 AU Hicks, N.; Hutchinson, D. W.; Mahmood, N.; Hay, A. J.  
 CS Chem. Dep., Warwick Univ., Coventry, CV4 7AL, UK  
 SO Antiviral Chemistry & Chemotherapy (1992), 3(3), 153-6  
 CODEN: ACCHEH; ISSN: 0956-3202  
 DT Journal  
 LA English  
 IT 107550-74-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and anti-HIV virucidal activity of)  
 RN 107550-74-3 CAPLUS  
 CN 2-Furanmethanol, 5-(2-amino-9H-purin-9-yl)tetrahydro-, (2S-cis)- (9CI)  
 (CA INDEX NAME)

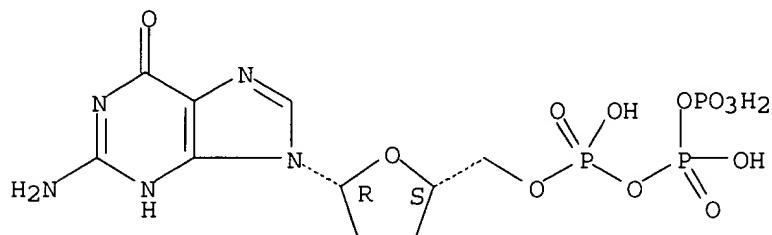
Absolute stereochemistry.



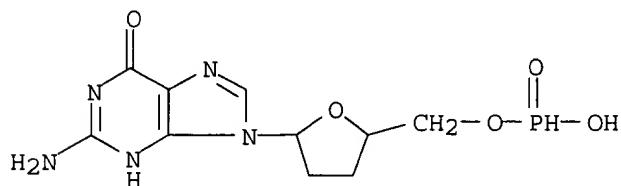
L6 ANSWER 83 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1992:462386 CAPLUS  
 DN 117:62386  
 TI Kinetics of inhibition of endogenous human immunodeficiency virus type 1  
 reverse transcription by 2',3'-dideoxynucleoside 5'-triphosphate,  
 tetrahydroimidazo-[4,5,1-jk][1,4]-benzodiazepin-2(1H)-thione, and  
 1-[(2-hydroxyethoxy)methyl]-6-(phenylthio)thymine derivatives

AU Debyser, Zeger; Vandamme, Anne Mieke; Pauwels, Rudi; Baba, Masanori;  
 Desmyter, Jan; De Clercq, Erik  
 CS Rega Inst. Med. Res., Kathol. Univ. Leuven, Louvain, B-3000, Belg.  
 SO Journal of Biological Chemistry (1992), 267(17), 11769-76  
 CODEN: JBCHA3; ISSN: 0021-9258  
 DT Journal  
 LA English  
 IT **68726-28-3**, 2',3'-Dideoxyguanosine-5'-triphosphate  
 RL: BIOL (Biological study)  
     (HIV-1 reverse transcriptase inhibition by, kinetics of)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  
     NAME)

Absolute stereochemistry.



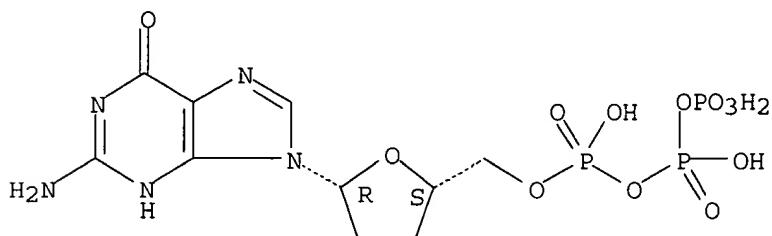
L6 ANSWER 84 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1992:439868 CAPLUS  
 DN 117:39868  
 TI Inhibition of human immunodeficiency virus production in cell culture by  
     5'-phosphites of 2',3'-dideoxynucleosides  
 AU Karamov, E. V.; Lukashov, V. V.; Gorbacheva, A. P.; Makarova, T. V.;  
     Kornilaeva, G. V.; Tarusova, N. B.; Kraevskii, A. A.  
 CS D. I. Ivanovskii Inst. Virol., Moscow, 123098, Russia  
 SO Molekulyarnaya Biologiya (Moscow) (1992), 26(1), 201-7  
 CODEN: MOBIBO; ISSN: 0026-8984  
 DT Journal  
 LA Russian  
 IT **142479-04-7P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
     (preparation and HIV-1 virus replication in infected cells  
     inhibition by)  
 RN 142479-04-7 CAPLUS  
 CN Guanosine, 2',3'-dideoxy-, 5'-(hydrogen phosphonate) (9CI) (CA INDEX  
     NAME)



L6 ANSWER 85 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1992:439867 CAPLUS  
 DN 117:39867  
 TI Resistance of human immunodeficiency virus type 1 reverse transcriptase to  
     TIBO derivatives induced by site-directed mutagenesis

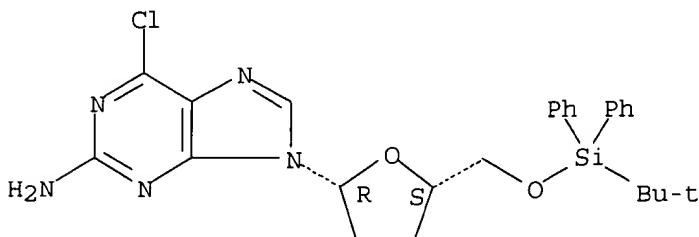
AU De Vreese, Karen; Debryser, Zeger; Vandamme, Anne Mieke; Pauwels, Rudi;  
 Desmyter, Jan; De Clercq, Erik; Anne, Jozef  
 CS Rega Inst. Med. Res., Kathol. Univ. Leuven, Louvain, B-3000, Belg.  
 SO Virology (1992), 188(2), 900-4  
 CODEN: VIRLAX; ISSN: 0042-6822  
 DT Journal  
 LA English  
 IT **68726-28-3**  
 RL: BIOL (Biological study)  
     (reverse transcriptase of HIV-1 resistance to, site-directed  
     mutagenesis induction of)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'- (tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  
     NAME)

Absolute stereochemistry.



L6 ANSWER 86 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1992:427036 CAPLUS  
 DN 117:27036  
 TI A highly stereoselective synthesis of anti-HIV 2',3'-dideoxy-  
     and 2',3'-didehydro-2',3'-dideoxynucleosides  
 AU Beach, J. Warren; Kim, Hea O.; Jeong, Lak S.; Nampalli, Satyanarayana;  
     Islam, Qamrul; Ahn, Soon K.; Babu, J. Ramesh; Chu, Chung K.  
 CS Coll. Pharm., Univ. Georgia, Athens, GA, 30602, USA  
 SO Journal of Organic Chemistry (1992), 57(14), 3887-94  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DT Journal  
 LA English  
 OS CASREACT 117:27036  
 IT **141684-92-6P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
     (Reactant or reagent)  
     (preparation and desilylation of)  
 RN 141684-92-6 CAPLUS  
 CN 9H-Purin-2-amine, 6-chloro-9-[5-[[[[(1,1-dimethylethyl)diphenylsilyl]oxy]me  
     thyl]tetrahydro-2-furanyl]-, (2R-cis)- (9CI) (CA INDEX NAME)

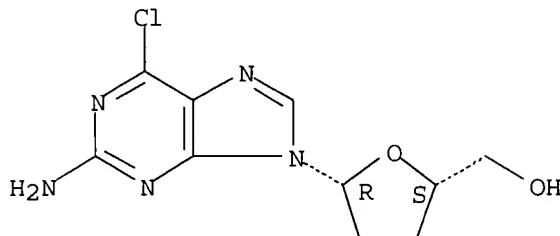
Absolute stereochemistry.



IT **122970-35-8P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)

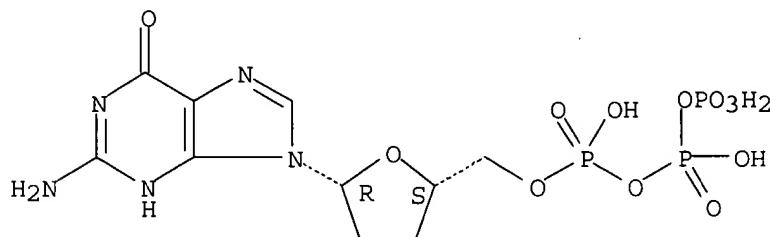
(preparation of)  
RN 122970-35-8 CAPLUS  
CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, (2S,5R)-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 87 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1992:230663 CAPLUS  
DN 116:230663  
TI Human immunodeficiency virus reverse transcriptase: steady-state and pre-steady-state kinetics of nucleotide incorporation  
AU Reardon, John E.  
CS Div. Exp. Ther., Wellcome Res. Lab., Research Triangle Park, NC, 27709,  
USA  
SO Biochemistry (1992), 31(18), 4473-9  
CODEN: BICHAW; ISSN: 0006-2960  
DT Journal  
LA English  
IT 68726-28-3  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(reaction of, with reverse transcriptase of human immunodeficiency virus, kinetics of, structure in relation to)  
RN 68726-28-3 CAPLUS  
CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

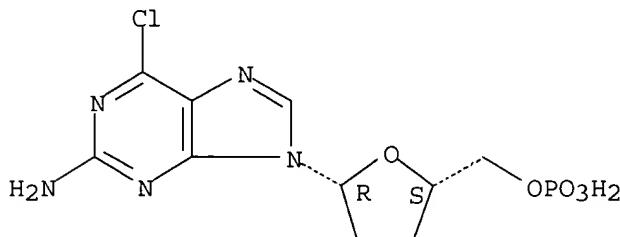
Absolute stereochemistry.



L6 ANSWER 88 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1992:165828 CAPLUS  
DN 116:165828  
TI Interpretation of the roles of adenylosuccinate lyase and of AMP deaminase in the anti-HIV activity of 2',3'-dideoxyadenosine and 2',3'-dideoxyinosine  
AU Nair, Vasu; Sells, Todd B.  
CS Dep. Chem., Univ. Iowa, Iowa City, IA, USA  
SO Biochimica et Biophysica Acta, Protein Structure and Molecular Enzymology (1992), 1119(2), 201-4  
CODEN: BBAEDZ; ISSN: 0167-4838  
DT Journal

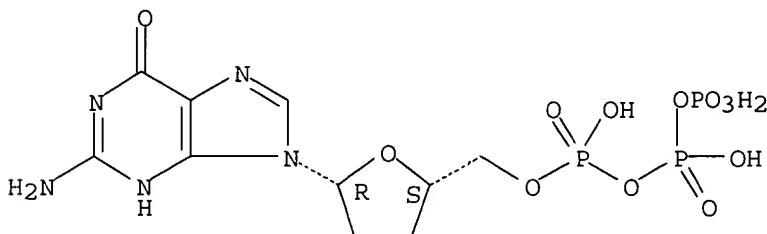
LA English  
 IT 140210-35-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
     (preparation of, as intermediate of dideoxynucleotide metabolism by  
     adenylosuccinate lyase and AMP deaminase, antiHIV activity in relation  
     to)  
 RN 140210-35-1 CAPLUS  
 CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, dihydrogen  
     phosphate (ester), (2S-cis)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 89 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1992:165803 CAPLUS  
 DN 116:165803  
 TI The binding of a novel bisheteroarylpirperazine mediates inhibition of  
     human immunodeficiency virus type 1 reverse transcriptase  
 AU Dueweke, Thomas J.; Kezdy, Ferenc J.; Waszak, Gregory A.; Deibel, Martin  
     R., Jr.; Tarpley, W. Gary  
 CS Upjohn Lab., Kalamazoo, MI, 49001-0199, USA  
 SO Journal of Biological Chemistry (1992), 267(1), 27-30  
     CODEN: JBCHA3; ISSN: 0021-9258  
 DT Journal  
 LA English  
 IT 68726-28-3, 2',3'-Dideoxyguanosine triphosphate  
 RL: BIOL (Biological study)  
     (reverse transcriptase of human immunodeficiency virus type 1 binding  
     by bisheteroarylpirperazine U-88204 response to)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'- (tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  
     NAME)

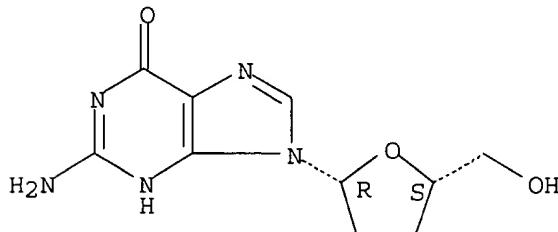
Absolute stereochemistry.



L6 ANSWER 90 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1992:143355 CAPLUS  
 DN 116:143355  
 TI Substrate specificity of human deoxycytidine kinase toward antiviral  
     2',3'-dideoxynucleoside analogs  
 AU Kierdaszuk, Borys; Bohman, Christina; Ullman, Buddy; Eriksson, Staffan  
 CS Med. Nobel Inst., Karolinska Inst., Stockholm, S-10401, Swed.

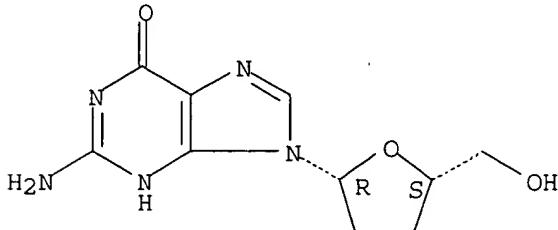
SO Biochemical Pharmacology (1992), 43(2), 197-206  
 CODEN: BCPCA6; ISSN: 0006-2952  
 DT Journal  
 LA English  
 IT **85326-06-3**, 2',3'-Dideoxyguanosine  
 RL: BIOL (Biological study)  
 (phosphorylation of, as substrate for human deoxycytidine kinase,  
 antiviral activity in relation to)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 91 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1992:98939 CAPLUS  
 DN 116:98939  
 TI Isolation and characterization of a dideoxyguanosine triphosphate-  
 resistant mutant of human immunodeficiency virus reverse transcriptase  
 AU Prasad, Vinayaka R.; Lowy, Israel; De los Santos, Teresa; Chiang, Lydia;  
 Goff, Stephen P.  
 CS Dep. Microbiol. Immunol., Albert Einstein Coll. Med., Bronx, NY, 10461,  
 USA  
 SO Proceedings of the National Academy of Sciences of the United States of  
 America (1991), 88(24), 11363-7  
 CODEN: PNASA6; ISSN: 0027-8424  
 DT Journal  
 LA English  
 IT **85326-06-3**, 2',3'-Dideoxyguanosine  
 RL: BIOL (Biological study)  
 (human immunodeficiency virus inhibition by, resistance in relation to,  
 reverse transcriptase gene mutation in)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

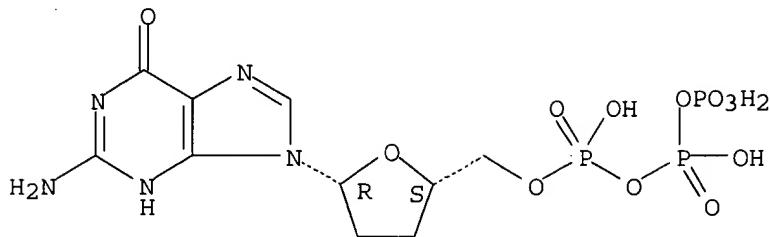
Absolute stereochemistry.



IT **68726-28-3**, 2',3'-Dideoxyguanosine-5'-triphosphate  
 RL: BIOL (Biological study)  
 (resistance to, in human immunodeficiency virus, reverse transcriptase  
 gene mutation in)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX

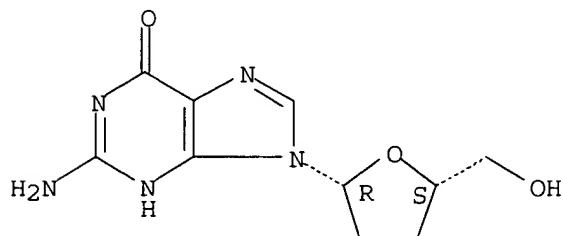
NAME)

Absolute stereochemistry.



L6 ANSWER 92 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1992:50952 CAPLUS  
DN 116:50952  
TI In vitro inhibition of hepatitis B virus replication by 2',3'-dideoxyguanosine, 2',3'-dideoxyinosine, and 3'-azido-2',3'-dideoxythymidine in 2.2.15 (PR) cells  
AU Aoki-Sei, Shizuko; O'Brien, Mary C.; Ford, Harry; Fujii, Hiroyuki; Gilbert, Dennis A.; Cooney, David A.; Johns, David G.; Broder, Samuel; Mitsuya, Hiroaki  
CS Clin. Hematol. Branch, Natl. Cancer Inst., Bethesda, MD, 20892, USA  
SO Journal of Infectious Diseases (1991), 164(5), 843-51  
CODEN: JIDIAQ; ISSN: 0022-1899  
DT Journal  
LA English  
IT 85326-06-3, 2',3'-Dideoxyguanosine  
RL: BIOL (Biological study)  
(hepatitis B virus replication inhibition by)  
RN 85326-06-3 CAPLUS  
CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

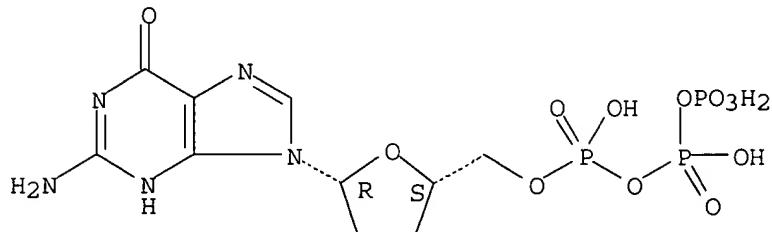
Absolute stereochemistry.



L6 ANSWER 93 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1992:17577 CAPLUS  
DN 116:17577  
TI Purification and kinetic characterization of equine infectious anemia virus reverse transcriptase  
AU Thomas, Deborah A.; Furman, Phillip A.  
CS Dep. Microbiol. Immunol., Univ. North Carolina, Chapel Hill, NC, 27514, USA  
SO Biochemical and Biophysical Research Communications (1991), 180(3), 1365-71  
CODEN: BBRCA9; ISSN: 0006-291X  
DT Journal  
LA English  
IT 68726-28-3, 2',3'-Dideoxyguanosine-5'-triphosphate  
RL: BIOL (Biological study)

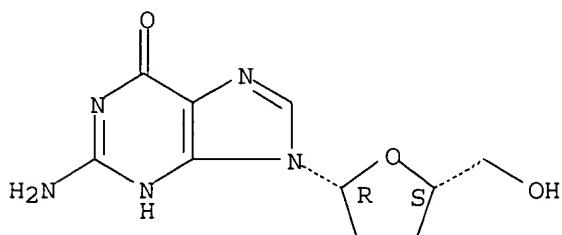
(reverse transcriptase of equine infectious anemia virus inhibition by,  
kinetics of)  
RN 68726-28-3 CAPLUS  
CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  
NAME)

Absolute stereochemistry.



L6 ANSWER 94 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1991:622777 CAPLUS  
DN 115:222777  
TI Proton NMR study of the sugar pucker of 2',3'-dideoxynucleosides with  
anti-human immunodeficiency virus (**HIV**) activity  
AU Jagannadh, B.; Reddy, D. V.; Kunwar, A. C.  
CS Indian Inst. Chem. Technol., Hyderabad, 500 007, India  
SO Biochemical and Biophysical Research Communications (1991), 179(1), 386-91  
CODEN: BBRCA9; ISSN: 0006-291X  
DT Journal  
LA English  
IT 85326-06-3  
RL: PRP (Properties)  
(sugar ring conformation of, NMR study of, anti-**HIV** activity  
in relation to)  
RN 85326-06-3 CAPLUS  
CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

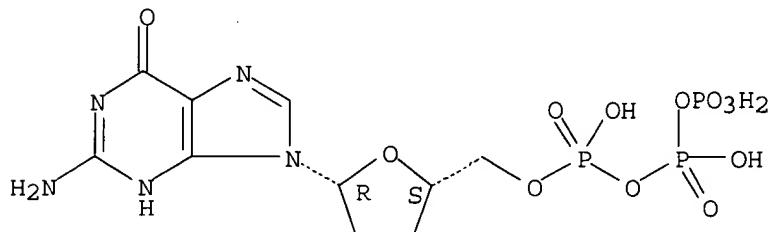
Absolute stereochemistry.



L6 ANSWER 95 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1991:597796 CAPLUS  
DN 115:197796  
TI Inhibition of human immunodeficiency virus reverse transcriptase by  
2',3'-dideoxynucleoside triphosphates: template dependence, and  
combination with phosphonoformate  
AU Starnes, Milbrey C.; Cheng, Yung Chi  
CS Sch. Med., Univ. North Carolina, Chapel Hill, NC, 27599, USA  
SO Virus Genes (1989), 2(3), 241-51  
CODEN: VIGEET; ISSN: 0920-8569  
DT Journal  
LA English  
IT 68726-28-3

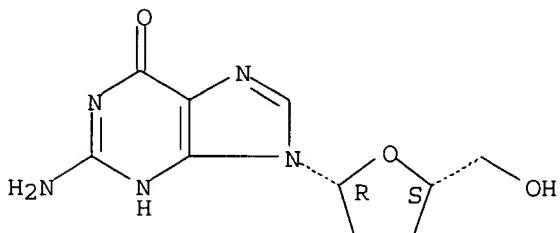
RL: BIOL (Biological study)  
     (reverse transcriptase of human immunodeficiency virus inhibition by,  
     template dependence of, phosphonoformate in relation to)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 96 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1991:589581 CAPLUS  
 DN 115:189581  
 TI Kinetics of the hydrolysis of 2',3'-dideoxyguanosine: a potent anti-HIV agent  
 AU Van Schepdael, A.; Ossembe, N.; Jie, L.; Herdewijn, P.; Roets, E.; Hoogmartens, J.  
 CS Inst. Farm. Wetensch., K. U. Louvain, Louvain, B-3000, Belg.  
 SO International Journal of Pharmaceutics (1991), 73(2), 105-10  
 CODEN: IJPHDE; ISSN: 0378-5173  
 DT Journal  
 LA English  
 IT 85326-06-3, 2',3'-Dideoxyguanosine  
     RL: RCT (Reactant); RACT (Reactant or reagent)  
         (hydrolysis of, kinetics of, ionic strength and temperature effect on)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

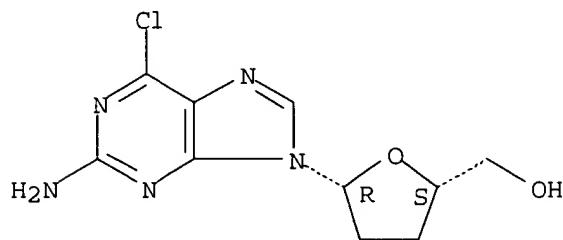
Absolute stereochemistry.



L6 ANSWER 97 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1991:574633 CAPLUS  
 DN 115:174633  
 TI Fermentative preparation of a chloropurine ribonucleoside derivative as a drug for AIDS treatment  
 IN Kojima, Eiji; Yoshioka, Hidetoshi; Murakami, Kunichika  
 PA Sanyo-Kokusaku Pulp Co., Ltd., Japan  
 SO Ger. Offen., 10 pp.  
     CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

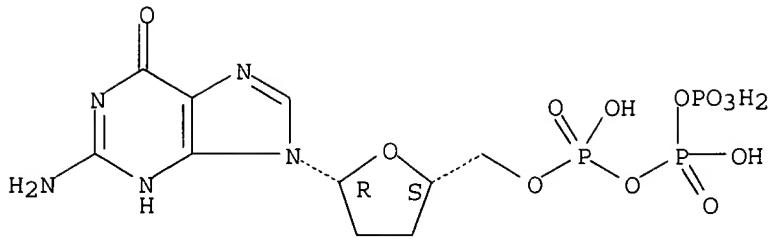
|      | PATENT NO.   | KIND   | DATE   | APPLICATION NO.  | DATE   |
|------|--|--|--|--|--|
| PI   | DE 3940551<br>DE 3940551<br>JP 03118324<br>JP 06037391<br>US 5580860<br>CA 2004784<br>CA 2004784<br>GB 2236251<br>GB 2236251<br>FR 2652502<br>FR 2652502 | A1<br>C2<br>A2<br>B4<br>A<br>AA<br>C<br>A1<br>B2<br>A1<br>B1 | 19910411<br>19990506<br>19910520<br>19940518<br>19961203<br>19910329<br>20000502<br>19910403<br>19930721<br>19910405<br>19931224 | DE 1989-3940551<br>JP 1989-254315<br>US 1989-446155<br>CA 1989-2004784<br>GB 1989-27850<br>FR 1989-16237   | 19891207<br>19890929<br>19891205<br>19891206<br>19891208<br>19891208 |
| PRAI | JP 1989-254315   | A  | 19890929   |  |  |
| IT   | <b>122970-35-8</b>   |  |  | RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)<br>(virucide, against human immunodeficiency virus) |  |
| RN   | 122970-35-8 CAPLUS   |  |  |  |  |
| CN   | 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, (2S,5R)-<br>(9CI) (CA INDEX NAME)  |  |  |  |  |

Absolute stereochemistry.



L6 ANSWER 98 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1991:574107 CAPLUS  
 DN 115:174107  
 TI 9-[(2RS)-3-Fluoro-2-phosphonylmethoxypropyl] derivatives of purines: a class of highly selective antiretroviral agents in vitro and in vivo  
 AU Balzarini, Jan; Holy, A.; Jindrich, J.; Dvorakova, H.; Hao, Z.; Snoeck, R.; Herdewijn, P.; Johns, D. G.; De Clercq, Erik  
 CS Rega Inst. Med. Res., Kathol. Univ. Leuven, Louvain, B-3000, Belg.  
 SO Proceedings of the National Academy of Sciences of the United States of America (1991), 88(11), 4961-5  
 CODEN: PNASA6; ISSN: 0027-8424  
 DT Journal  
 LA English  
 IT **68726-28-3**  
 RL: BIOL (Biological study)  
 (DNA chain termination by)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 99 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:550368 CAPLUS

DN 115:150368

TI Antiviral composition containing nucleosides

IN Harmenberg, Johan; Wahren, Britta; Oeberg, Bo

PA Swed.

SO PCT Int. Appl., 19 pp.

CODEN: PIXXD2

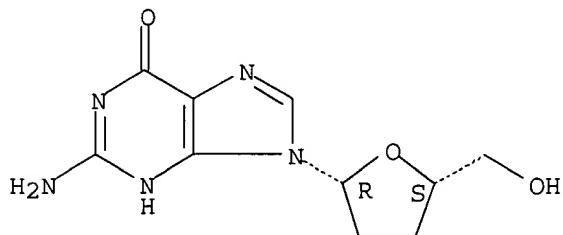
DT Patent

LA English

FAN.CNT 1

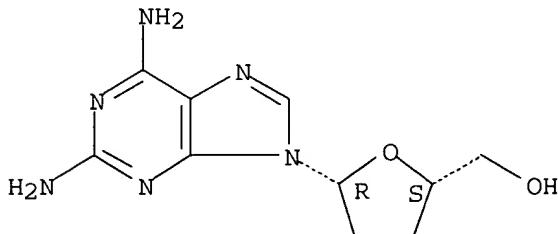
|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | WO 9101137  | A1   | 19910207 | WO 1990-SE487   | 19900710 |
|      | W: AU, CA, JP, US<br>RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE                         |      |          |                 |          |
|      | SE 8902568  | A    | 19910120 | SE 1989-2568    | 19890719 |
|      | SE 464168   | B    | 19910318 |                 |          |
|      | SE 464168   | C    | 19910711 |                 |          |
|      | CA 2063417  | AA   | 19910120 | CA 1990-2063417 | 19900710 |
|      | CA 2063417  | C    | 20001212 |                 |          |
|      | AU 9060469  | A1   | 19910222 | AU 1990-60469   | 19900710 |
|      | AU 630220   | B2   | 19921022 |                 |          |
|      | EP 482081   | A1   | 19920429 | EP 1990-911382  | 19900710 |
|      | EP 482081   | B1   | 19960110 |                 |          |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE   |      |          |                 |          |
|      | JP 04506961   | T2   | 19921203 | JP 1990-510551  | 19900710 |
|      | JP 3149179  | B2   | 20010326 |                 |          |
|      | AT 132752   | E    | 19960115 | AT 1990-911382  | 19900710 |
|      | ES 2083458  | T3   | 19960416 | ES 1990-911382  | 19900710 |
|      | US 5571798  | A    | 19961105 | US 1994-354891  | 19941209 |
| PRAI | SE 1989-2568  | A    | 19890719 |                 |          |
|      | WO 1990-SE487   | A    | 19900710 |                 |          |
|      | US 1992-793383  | B1   | 19920316 |                 |          |
| OS   | MARPAT 115:150368   |      |          |                 |          |
| IT   | <b>85326-06-3D</b> , 2',3'-Dideoxyguanosine, mixture with<br>3'-fluoro-2',3'-dideoxynucleosides |      |          |                 |          |
|      | RL: BIOL (Biological study)<br>(viral infection treatment with)                                 |      |          |                 |          |
| RN   | 85326-06-3 CAPLUS   |      |          |                 |          |
| CN   | Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)   |      |          |                 |          |

Absolute stereochemistry.



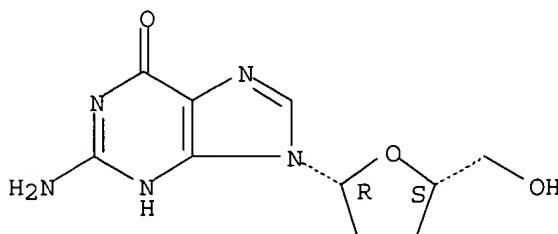
L6 ANSWER 100 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1991:505506 CAPLUS  
 DN 115:105506  
 TI Sulfated cyclodextrins are potent anti-HIV agents acting synergistically with 2',3'-dideoxynucleoside analogs  
 AU Schols, D.; De Clercq, E.; Witvrouw, M.; Nakashima, H.; Snoeck, R.; Pauwels, R.; Van Schepdael, A.; Claes, P.  
 CS Rega Inst. Med. Res., Kathol. Univ. Leuven, Louvain, B-3000, Belg.  
 SO Antiviral Chemistry & Chemotherapy (1991), 2(1), 45-53  
 CODEN: ACCHEH; ISSN: 0956-3202  
 DT Journal  
 LA English  
 IT 107550-73-2  
 RL: PRP (Properties)  
     (synergism of, with virucidal effects of cyclodextrin sulfates, on human immunodeficiency virus)  
 RN 107550-73-2 CAPLUS  
 CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



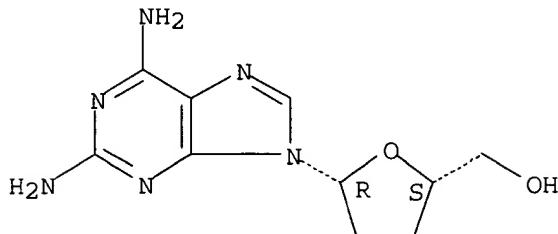
L6 ANSWER 101 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1991:484878 CAPLUS  
 DN 115:84878  
 TI Inhibition of human immunodeficiency virus type 1 replication by guanosine analogs and lack of synergistic antiviral effect of acyclovir with 3'-azido-3'-deoxythymidine  
 AU Smith, M. S.; Pagano, J. S.  
 CS Lineberger Cancer Res. Cent., Univ. North Carolina, Chapel Hill, NC, 27599, USA  
 SO Antiviral Chemistry & Chemotherapy (1991), 2(1), 29-34  
 CODEN: ACCHEH; ISSN: 0956-3202  
 DT Journal  
 LA English  
 IT 85326-06-3, 2'-3'-Dideoxyguanosine 107550-73-2  
 RL: BIOL (Biological study)  
     (anti-HIV-1 activity of, synergy with AZT)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



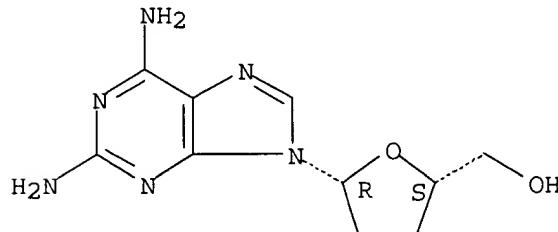
RN 107550-73-2 CAPLUS  
CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 102 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1991:400257 CAPLUS  
DN 115:257  
TI Potentiating effect of ribavirin on the in vitro and in vivo antiretrovirus activities of 2',3'-dideoxyinosine and 2',3'-dideoxy-2,6-diaminopurine riboside  
AU Balzarini, Jan; Naesens, Lieve; Robins, Morris J.; De Clercq, Erik  
CS Rega Inst. Med. Res., Cathol. Univ. Leuven, Louvain, B-3000, Belg.  
SO Journal of Acquired Immune Deficiency Syndromes (1990), 3(12), 1140-7  
CODEN: JAISET; ISSN: 0894-9255  
DT Journal  
LA English  
IT 107550-73-2  
RL: BIOL (Biological study)  
(retrovirus inhibition by ribavirin and, in human and laboratory animal cells)  
RN 107550-73-2 CAPLUS  
CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

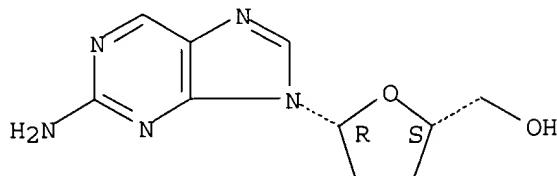
Absolute stereochemistry.



L6 ANSWER 103 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1991:227414 CAPLUS  
DN 114:227414  
TI Escherichia coli mediated biosynthesis and in vitro anti-HIV activity of lipophilic 6-halo-2',3'-dideoxypyrimidine nucleosides  
AU Murakami, Kunichika; Shirasaka, Takuma; Yoshioka, Hidetoshi; Kojima, Eiji; Aoki, Shizuko; Ford, Harry, Jr.; Driscoll, John S.; Kelley, James A.; Mitsuya, Hiroaki  
CS Res. Lab. Bioresources, Sanyo-Kokusaku Pulp Co., Iwakuni, 740, Japan  
SO Journal of Medicinal Chemistry (1991), 34(5), 1606-12  
CODEN: JMCMAR; ISSN: 0022-2623  
DT Journal  
LA English  
OS CASREACT 114:227414  
IT 107550-74-3 122970-35-8

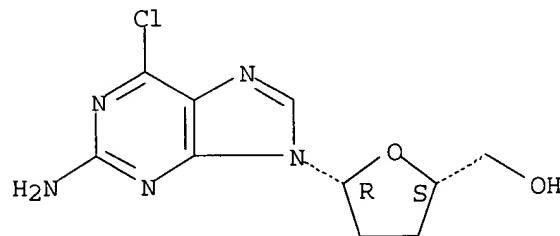
RL: FORM (Formation, nonpreparative)  
 (formation of, by Escherichia coli and anti-HIV activity of)  
 RN 107550-74-3 CAPLUS  
 CN 2-Furanmethanol, 5-(2-amino-9H-purin-9-yl)tetrahydro-, (2S-cis)- (9CI)  
 (CA INDEX NAME)

Absolute stereochemistry.



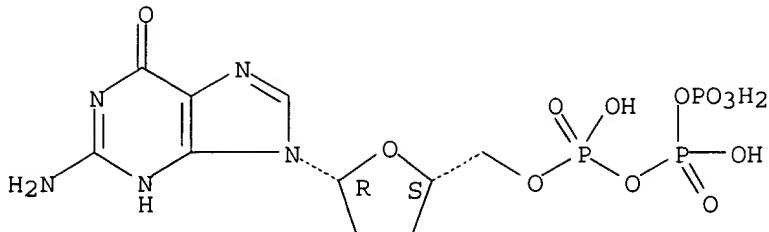
RN 122970-35-8 CAPLUS  
 CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, (2S,5R)-  
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



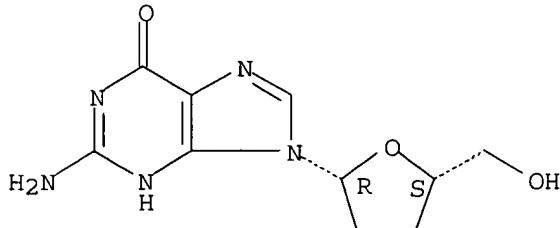
L6 ANSWER 104 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1991:135615 CAPLUS  
 DN 114:135615  
 TI Mechanism of inhibition of human immunodeficiency virus type 1 reverse transcriptase and human DNA polymerases  $\alpha$ ,  $\beta$ , and  $\gamma$  by the 5'-triphosphates of carbovir, 3'-azido-3'-deoxythymidine, 2',3'-dideoxyguanosine, and 3'-deoxythymidine. A novel RNA template for the evaluation of antiretroviral drugs  
 AU Parker, William B.; White, E. Lucile; Shaddix, Sue C.; Ross, Larry J.; Buckheit, Robert W., Jr.; Germany, Julie M.; Secrist, John A., III; Vince, Robert; Shannon, William M.  
 CS Kettering-Meyer Lab., South. Res. Inst., Birmingham, AL, 35205, USA  
 SO Journal of Biological Chemistry (1991), 266(3), 1754-62  
 CODEN: JBCHA3; ISSN: 0021-9258  
 DT Journal  
 LA English  
 IT 68726-28-3, 2',3'-Dideoxyguanosine triphosphate  
 RL: BIOL (Biological study)  
 (immunodeficiency virus reverse transcriptase inhibition by)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



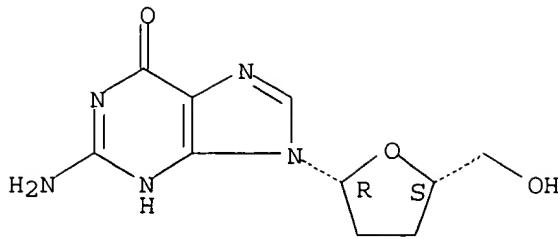
L6 ANSWER 105 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1991:114633 CAPLUS  
 DN 114:114633  
 TI Anti-**HIV-1** activity of antiviral compounds, as quantitated by a focal immunoassay in CD4+ HeLa cells and a plaque assay in MT-4 cells  
 AU Nakashima, Hideki; Balzarini, Jan; Pauwels, Rudi; Schols, Dominique; Desmyter, Jan; De Clercq, Erik  
 CS Rega Inst. Med. Res., Kathol. Univ. Leuven, Louvain, B-3000, Belg.  
 SO Journal of Virological Methods (1990), 29(2), 197-208  
 CODEN: JVMEDH; ISSN: 0166-0934  
 DT Journal  
 LA English  
 IT **85326-06-3**, 2',3'-Dideoxyguanosine  
 RL: BIOL (Biological study)  
 (human immunodeficiency virus type 1 inhibition by)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



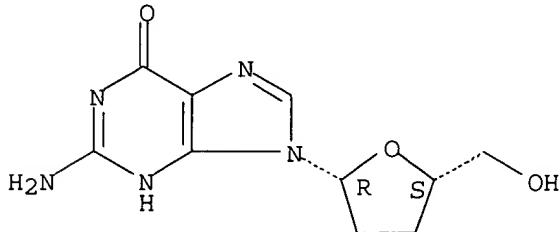
L6 ANSWER 106 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1991:94669 CAPLUS  
 DN 114:94669  
 TI Cellular pharmacology and anti-**HIV** activity of  
 2',3'-dideoxyguanosine  
 AU Busso, M. E.; Resnick, L.; Yang, B. H.; Mian, A. M.  
 CS Dep. Retrovirol. Res., Mount Sinai Med. Cent. Greater Miami, Miami Beach,  
 FL, 33140, USA  
 SO AIDS Research and Human Retroviruses (1990), 6(9), 1139-46  
 CODEN: ARHRE7; ISSN: 0889-2229  
 DT Journal  
 LA English  
 IT **85326-06-3**, 2',3'-Dideoxyguanosine  
 RL: BIOL (Biological study)  
 (human immunodeficiency virus inhibition by, cellular pharmacol. in)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



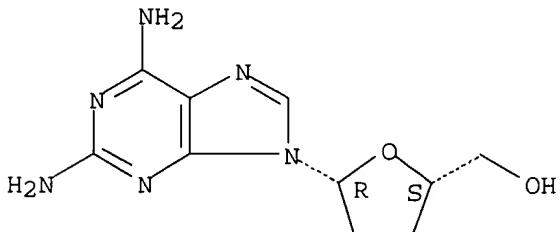
L6 ANSWER 107 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1991:94639 CAPLUS  
 DN 114:94639  
 TI Lipophilic halogenated congeners of 2',3'-dideoxypurine nucleosides active against human immunodeficiency virus in vitro  
 AU Shirasaka, Takuma; Murakami, Kunichika; Ford, Harry, Jr.; Kelley, James A.; Yoshioka, Hidetoshi; Kojima, Eiji; Aoki, Shizuko; Broder, Samuel; Mitsuya, Hiroaki  
 CS Clin. Oncol. Program, Natl. Cancer Inst., Bethesda, MD, 20892, USA  
 SO Proceedings of the National Academy of Sciences of the United States of America (1990), 87(23), 9426-30  
 CODEN: PNASA6; ISSN: 0027-8424  
 DT Journal  
 LA English  
 IT 85326-06-3, 2',3'-Dideoxyguanosine 107550-73-2  
 122970-35-8  
 RL: BIOL (Biological study)  
 (human immunodeficiency virus-inhibiting activity of, structure in relation to)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



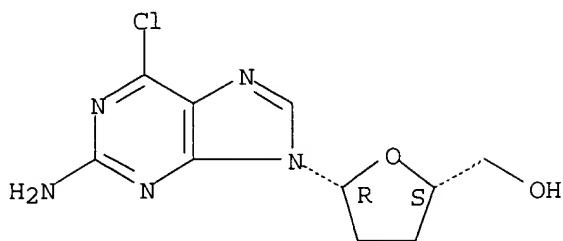
RN 107550-73-2 CAPLUS  
 CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 122970-35-8 CAPLUS  
 CN 2-Furanmethanol, 5-(2-amino-6-chloro-9H-purin-9-yl)tetrahydro-, (2S,5R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 108 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1990:604479 CAPLUS

DN 113:204479

TI Inhibitors of IMP dehydrogenase stimulate the phosphorylation of the antiviral nucleoside 2',3'-dideoxyguanosine

AU Ahluwalia, Gurpreet; Cooney, David A.; Bondoc, Laureano L., Jr.; Currens, Michael J.; Ford, Harry; Johns, David G.; Mitsuya, Hiroaki; Fridland, Arnold

CS Div. Cancer Treat., Natl. Cancer Inst., Bethesda, MD, 20892, USA

SO Biochemical and Biophysical Research Communications (1990), 171(3), 1297-303

CODEN: BBRCA9; ISSN: 0006-291X

DT Journal

LA English

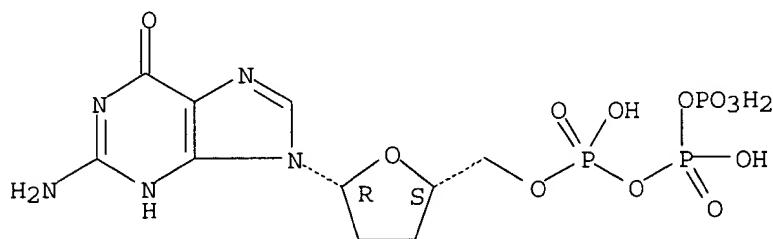
IT 68726-28-3 84328-12-1 85956-71-4

RL: BIOL (Biological study)  
(as dideoxyguanosine metabolite, in human T-lymphocytes, IMP dehydrogenase inhibitors effect on)

RN 68726-28-3 CAPLUS

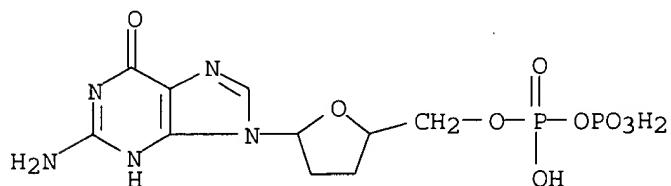
CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 84328-12-1 CAPLUS

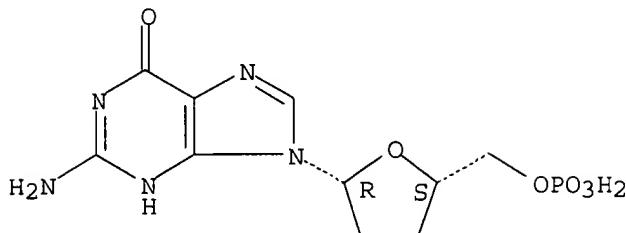
CN Guanosine 5'-(trihydrogen diphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)



RN 85956-71-4 CAPLUS

CN 5'-Guanylic acid, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



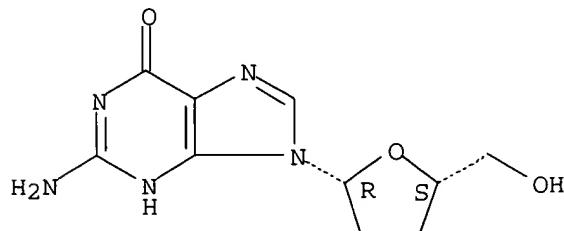
IT 85326-06-3

RL: BIOL (Biological study)  
(phosphorylation of, by T-lymphocytes of humans, IMP dehydrogenase  
inhibitors stimulation of, HIV inhibition in relation to)

RN 85326-06-3 CAPLUS

CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 109 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1990:604456 CAPLUS

DN 113:204456

TI Direct comparisons of inhibitor sensitivities of reverse transcriptases  
from feline and human immunodeficiency viruses

AU North, Thomas W.; Cronn, Richard C.; Remington, Kathryn Martin; Tandberg,  
Rolf T.

CS Div. Biol. Sci., Univ. Montana, Missoula, MT, 59812, USA

SO Antimicrobial Agents and Chemotherapy (1990), 34(8), 1505-7  
CODEN: AMACQ; ISSN: 0066-4804

DT Journal

LA English

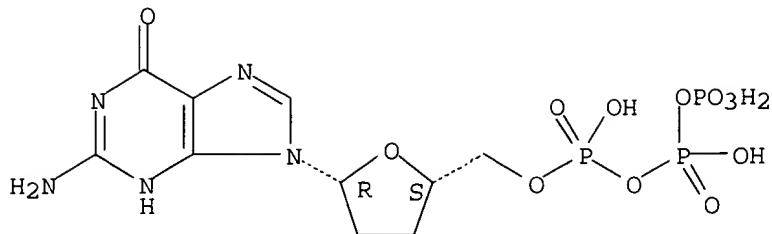
IT 68726-28-3

RL: BIOL (Biological study)  
(reverse transcriptase from feline and human immunodeficiency viruses  
inhibition by)

RN 68726-28-3 CAPLUS

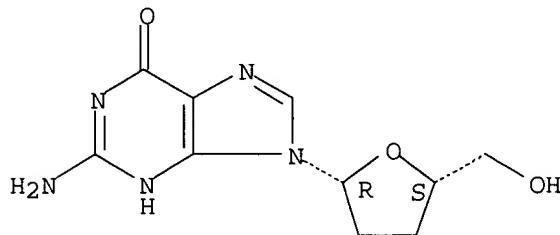
CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX  
NAME)

Absolute stereochemistry.



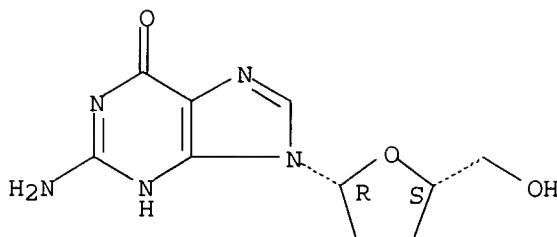
L6 ANSWER 110 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1990:584170 CAPLUS  
 DN 113:184170  
 TI Metabolism of the carbocyclic nucleoside analog carbovir, an inhibitor of human immunodeficiency virus, in human lymphoid cells  
 AU Bondoc, Laureano L., Jr.; Shannon, William M.; Secrist, John A., III; Vince, Robert; Fridland, Arnold  
 CS Dep. Biochem. Clin. Pharmacol., St. Jude Child. Res. Hosp., Memphis, TN, 38101, USA  
 SO Biochemistry (1990), 29(42), 9839-43  
 CODEN: BICHAW; ISSN: 0006-2960  
 DT Journal  
 LA English  
 IT **85326-06-3**, 2',3'-Dideoxyguanosine  
 RL: BIOL (Biological study)  
     (carbovir metabolite accumulation in human lymphoid cells response to)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



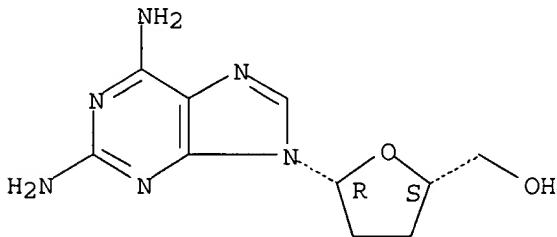
L6 ANSWER 111 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1990:474679 CAPLUS  
 DN 113:74679  
 TI Induction of the SOS response in Escherichia coli by azidothymidine and dideoxynucleosides  
 AU Mamber, Stephen W.; Brookshire, Kenneth W.; Forenza, Salvatore  
 CS Pharm. Res. Inst., Bristol-Myers Squibb Co., Wallingford, CT, 06492-7440, USA  
 SO Antimicrobial Agents and Chemotherapy (1990), 34(6), 1237-43  
 CODEN: AMACQ; ISSN: 0066-4804  
 DT Journal  
 LA English  
 IT **85326-06-3**, 2',3'-Dideoxyguanosine  
 RL: BIOL (Biological study)  
     (SOS response induction by, in Escherichia coli, human immunodeficiency virus in relation to)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



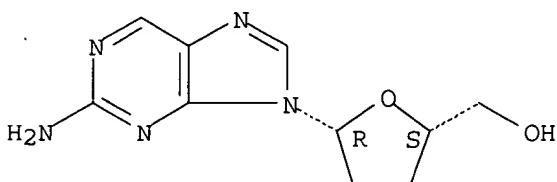
L6 ANSWER 112 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1990:406736 CAPLUS  
 DN 113:6736  
 TI Hydrolysis of dideoxygenated purine nucleosides: effect of modification of the base moiety  
 AU Nair, Vasu; Buenger, Greg S.  
 CS Dep. Chem., Univ. Iowa, Iowa City, IA, 52242, USA  
 SO Journal of Organic Chemistry (1990), 55(11), 3695-7  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DT Journal  
 LA English  
 IT 107550-73-2 107550-74-3  
 RL: PRP (Properties)  
 (hydrolysis of glycosidic bond of, structure of base moiety in relation to)  
 RN 107550-73-2 CAPLUS  
 CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 107550-74-3 CAPLUS  
 CN 2-Furanmethanol, 5-(2-amino-9H-purin-9-yl)tetrahydro-, (2S-cis)- (9CI) (CA INDEX NAME)

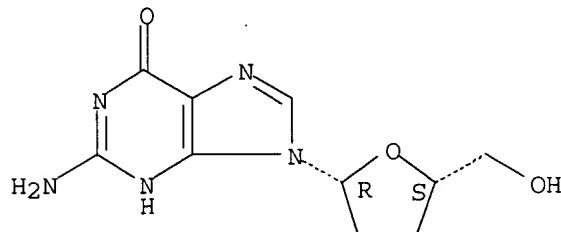
Absolute stereochemistry.



L6 ANSWER 113 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1990:171743 CAPLUS  
 DN 112:171743  
 TI Cyclobut-A and cyclobut-G, carbocyclic oxetanocin analogs that inhibit the replication of human immunodeficiency virus in T cells and monocytes and macrophages in vitro

AU Hayashi, Seiji; Norbeck, Daniel W.; Rosenbrook, William; Fine, Robert L.;  
 Matsukura, Makoto; Plattner, Jacob J.; Broder, Samuel; Mitsuya, Hiroaki  
 CS Clinical Oncol. Program, Natl. Cancer Inst., Bethesda, MD, 20892, USA  
 SO Antimicrobial Agents and Chemotherapy (1990), 34(2), 287-94  
 CODEN: AMACQ; ISSN: 0066-4804  
 DT Journal  
 LA English  
 IT **85326-06-3**, 2',3'-Dideoxyguanosine  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
     (antiviral activity of, human immunodeficiency virus infection in lymphocyte and macrophage and monocyte response to, structure in relation to)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

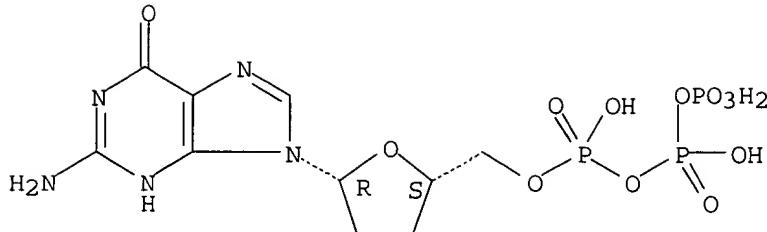
Absolute stereochemistry.



L6 ANSWER 114 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1989:484094 CAPLUS  
 DN 111:84094  
 TI Liposomes containing phosphorylated nucleosides for retrovirus targeting  
 IN Weinstein, John N.  
 PA United States Dept. of Commerce, USA  
 SO Eur. Pat. Appl., 25 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN. CNT 2

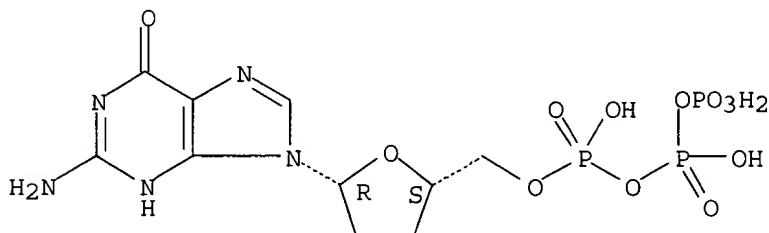
|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | EP 286418   | A1   | 19881012 | EP 1988-303144  | 19880408 |
|      | EP 286418   | B1   | 19920708 |                 |          |
|      | R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE                                   |      |          |                 |          |
|      | US 37178  | A0   | 19871201 | US 1987-37178   | 19870410 |
|      | AT 77945  | E    | 19920715 | AT 1988-303144  | 19880408 |
| PRAI | US 1987-37178   | A    | 19870410 |                 |          |
|      | US 1988-177788  | A    | 19880405 |                 |          |
|      | EP 1988-303144  | A    | 19880408 |                 |          |
| IT   | <b>68726-28-3</b> , 2',3'-Dideoxyguanosine-5'-triphosphate                      |      |          |                 |          |
|      | RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)                 |      |          |                 |          |
|      | (pharmaceutical liposomes containing, for treatment of retrovirus infection)    |      |          |                 |          |
| RN   | 68726-28-3 CAPLUS   |      |          |                 |          |
| CN   | Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME) |      |          |                 |          |

Absolute stereochemistry.



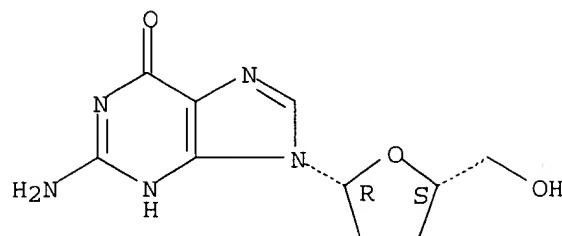
L6 ANSWER 115 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1989:470373 CAPLUS  
 DN 111:70373  
 TI Comparison of the effect of Carbovir, AZT, and dideoxynucleoside triphosphates on the activity of human immunodeficiency virus reverse transcriptase and selected human polymerases  
 AU White, E. Lucile; Parker, William B.; Macy, Lisa J.; Shaddix, Sue C.; McCaleb, George; Secrist, John A., III; Vince, Robert; Shannon, William M.  
 CS Kettering-Meyer Lab., South. Res. Inst., Birmingham, AL, 35255, USA  
 SO Biochemical and Biophysical Research Communications (1989), 161(2), 393-8  
 CODEN: BBRCA9; ISSN: 0006-291X  
 DT Journal  
 LA English  
 IT **68726-28-3**, 2',3'-Dideoxyguanosine 5'-triphosphate  
 RL: BIOL (Biological study)  
     (reverse transcription of retrovirus inhibition by, selectivity of)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 116 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1989:147190 CAPLUS  
 DN 110:147190  
 TI Estimation of the lipophilicity of anti-HIV nucleoside analogs by determination of the partition coefficient and retention time on a Lichrospher 60 RP-8 HPLC column  
 AU Balzarini, J.; Cools, M.; De Clercq, E.  
 CS Rega Inst. Med. Res., Kathol. Univ. Leuven, Louvain, B-3000, Belg.  
 SO Biochemical and Biophysical Research Communications (1989), 158(2), 413-22  
 CODEN: BBRCA9; ISSN: 0006-291X  
 DT Journal  
 LA English  
 IT **85326-06-3 107550-73-2**  
 RL: PRP (Properties)  
     (HPLC column retention time of, lipophilicity prediction from, AIDS therapy and blood-brain barrier in relation to)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

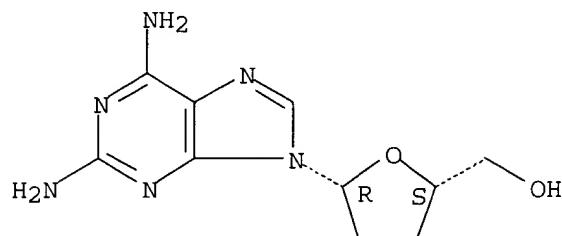
Absolute stereochemistry.



RN 107550-73-2 CAPLUS

CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 117 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1989:53607 CAPLUS

DN 110:53607

TI Kinetics and inhibition of reverse transcriptase from human and simian immunodeficiency viruses

AU Wu, John C.; Chernow, Marlene; Boehme, Richard E.; Suttmann, Rebecca T.; McRoberts, Mary Jane; Prisbe, Ernest J.; Matthews, Thomas R.; Marx, Preston A.; Chuang, Ronald Y.; Chen, Ming S.

CS Inst. Agrisci., Syntex Res., Mountain View, CA, 94043, USA

SO Antimicrobial Agents and Chemotherapy (1988), 32(12), 1887-90

CODEN: AMACQ; ISSN: 0066-4804

DT Journal

LA English

IT **68726-28-3**, 2',3'-Dideoxyguanosine 5'-triphosphate

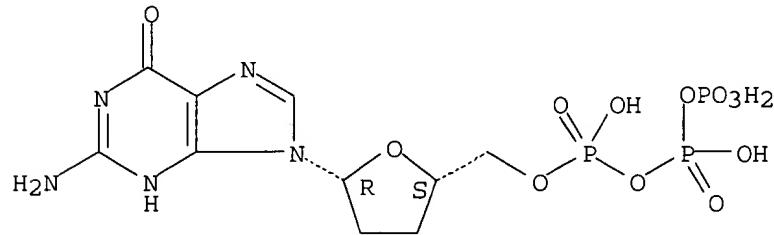
RL: BIOL (Biological study)

(reverse transcriptases of human and simian immunodeficiency viruses inhibition by, kinetics of)

RN 68726-28-3 CAPLUS

CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

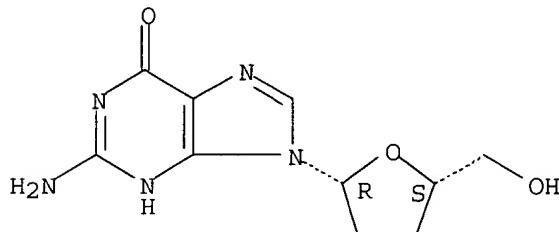
Absolute stereochemistry.



L6 ANSWER 118 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

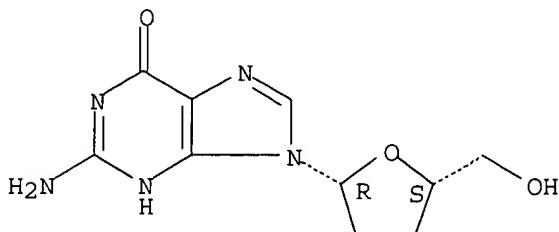
AN 1989:3960 CAPLUS  
 DN 110:3960  
 TI Synthesis of 2',3'-dideoxynucleosides by enzymic trans-glycosylation  
 AU Carson, Dennis A.; Wasson, D. Bruce  
 CS Dep. Basic Clin. Res., Scripps Clin. Res. Found., La Jolla, CA, 92037, USA  
 SO Biochemical and Biophysical Research Communications (1988), 155(2), 829-34  
 CODEN: BBRCA9; ISSN: 0006-291X  
 DT Journal  
 LA English  
 OS CASREACT 110:3960  
 IT **85326-06-3**, 2',3'-Dideoxyguanosine  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (trans-glycosylation of, as donor, enzyme catalyzed)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



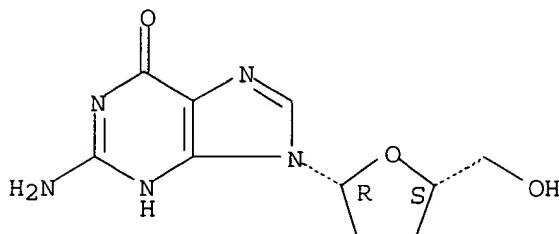
L6 ANSWER 119 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1989:269 CAPLUS  
 DN 110:269  
 TI Comparative activity of 2',3'-saturated and unsaturated pyrimidine and purine nucleosides against human immunodeficiency virus type 1 in peripheral blood mononuclear cells  
 AU Chu, Chung K.; Schinazi, Raymond F.; Arnold, Barbara H.; Cannon, Deborah L.; Doboszewski, Bogan; Bhadti, Vishweshwar B.; Gu, Ziping  
 CS Coll. Pharm., Univ. Georgia, Athens, GA, 30602, USA  
 SO Biochemical Pharmacology (1988), 37(19), 3543-8  
 CODEN: BCPCA6; ISSN: 0006-2952  
 DT Journal  
 LA English  
 IT **85326-06-3**  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (virucidal activity of, against human immunodeficiency virus)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



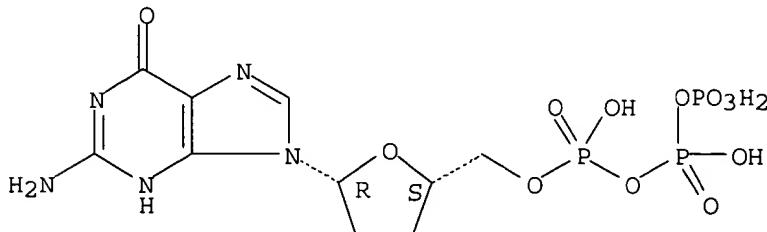
L6 ANSWER 120 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1988:622009 CAPLUS  
 DN 109:222009  
 TI Factors determining the activity of 2',3'-dideoxynucleosides in suppressing human immunodeficiency virus in vitro  
 AU Hao, Zhang; Cooney, David A.; Hartman, Neil R.; Perno, Carlo F.; Fridland, Arnold; DeVico, Anthony L.; Sarngadharan, M. G.; Broder, Samuel; Johns, David G.  
 CS Div. Cancer Treat., Natl. Cancer Inst., Bethesda, MD, 20892, USA  
 SO Molecular Pharmacology (1988), 34(4), 431-5  
 CODEN: MOPMA3; ISSN: 0026-895X  
 DT Journal  
 LA English  
 IT 85326-06-3, 2',3'-Dideoxyguanosine  
 RL: PROC (Process)  
     (as human immunodeficiency virus inhibitor, mechanism of)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 68726-28-3  
 RL: BIOL (Biological study)  
     (formation and reverse transcriptase inhibition by, antiviral mechanism in relation to)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'- (tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

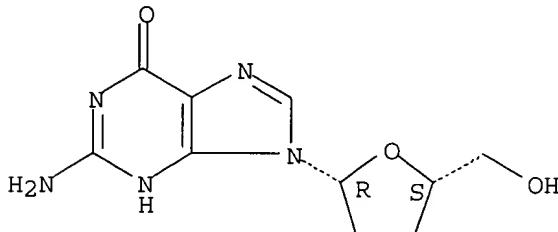
Absolute stereochemistry.



L6 ANSWER 121 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1988:562924 CAPLUS  
 DN 109:162924  
 TI Adenallene and cytallene: acyclic nucleoside analogs that inhibit replication and cytopathic effect of human immunodeficiency virus in vitro  
 AU Hayashi, Seiji; Phadtare, Shashikant; Zemlicka, Jiri; Matsukura, Makoto; Mitsuya, Hiroaki; Broder, Samuel  
 CS Clin. Oncol. Program, Natl. Cancer Inst., Bethesda, MD, 20892, USA  
 SO Proceedings of the National Academy of Sciences of the United States of America (1988), 85(16), 6127-31  
 CODEN: PNASA6; ISSN: 0027-8424

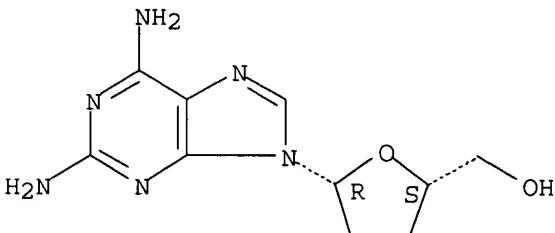
DT Journal  
 LA English  
 IT 85326-06-3  
 RL: BIOL (Biological study)  
 (human immunodeficiency virus inhibitory activity of, structure in  
 relation to)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 122 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1988:431545 CAPLUS  
 DN 109:31545  
 TI Investigations of the anti-HIV activity of 2',3'-  
 dideoxyadenosine analogs with modifications in either the pentose or  
 purine moiety. Potent and selective anti-HIV activity of  
 2,6-diaminopurine 2',3'-dideoxyriboside  
 AU Pauwels, Rudi; Baba, Masanori; Balzarini, Jan; Herdewijn, Piet; Desmyter,  
 Jan; Robins, Morris J.; Zou, Ruiming; Madej, Danuta; De Clercq, Erik  
 CS Rega Inst. Med. Res., Kathol. Univ. Leuven, Louvain, B-3000, Belg.  
 SO Biochemical Pharmacology (1988), 37(7), 1317-25  
 CODEN: BCPKA6; ISSN: 0006-2952  
 DT Journal  
 LA English  
 IT 107550-73-2  
 RL: BIOL (Biological study)  
 (human immunodeficiency virus inhibition by)  
 RN 107550-73-2 CAPLUS  
 CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

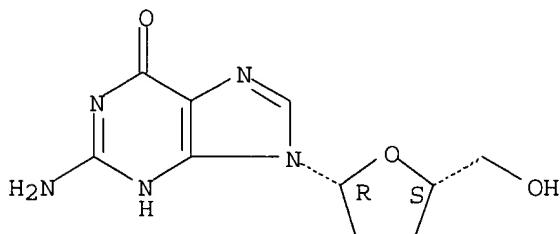
Absolute stereochemistry.



L6 ANSWER 123 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1988:400278 CAPLUS  
 DN 109:278  
 TI Potent and selective activity of 3'-azido-2,6-diaminopurine-2',3'-  
 dideoxyriboside, 3'-fluoro-2,6-diaminopurine-2',3'-dideoxyriboside, and  
 3'-fluoro-2',3'-dideoxyguanosine against human immunodeficiency virus  
 AU Balzarini, Jan; Baba, Masanori; Pauwels, Rudi; Herdewijn, Piet; Wood,  
 Steven G.; Robins, Morris J.; De Clercq, Erik

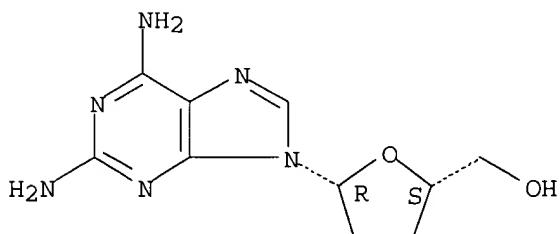
CS Rega Inst. Med. Res., Kathol. Univ. Leuven, Louvain, B-3000, Belg.  
 SO Molecular Pharmacology (1988), 33(3), 243-9  
 CODEN: MOPMA3; ISSN: 0026-895X  
 DT Journal  
 LA English  
 IT **85326-06-3**, 2',3'-Dideoxyguanosine **107550-73-2**  
 RL: BIOL (Biological study)  
 (human immunodeficiency virus inhibition by)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



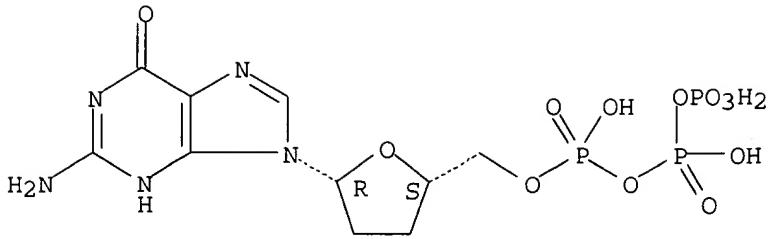
RN 107550-73-2 CAPLUS  
 CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



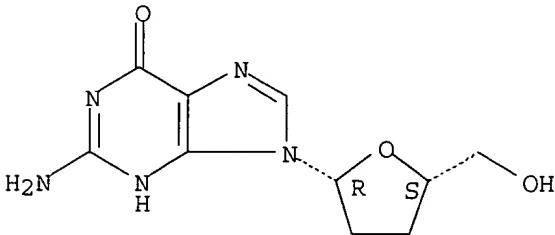
L6 ANSWER 124 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1988:87625. CAPLUS  
 DN 108:87625  
 TI Inhibition of **HIV** reverse transcriptase by 2',3'-  
 dideoxynucleoside triphosphates  
 AU Chen, Ming S.; Oshana, Scott C.  
 CS Pharm. Res. Dev. Div., Bristol-Myers Co., Syracuse, NY, 13221-4755, USA  
 SO Biochemical Pharmacology (1987), 36(24), 4361-2  
 CODEN: BCPCA6; ISSN: 0006-2952  
 DT Journal  
 LA English  
 IT **68726-28-3**, 2',3'-Dideoxyguanosine triphosphate  
 RL: BIOL (Biological study)  
 (reverse transcriptase of human immunodeficiency virus inhibition by)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



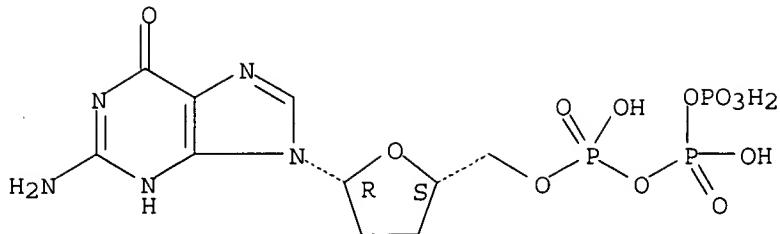
L6 ANSWER 125 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1988:31404 CAPLUS  
 DN 108:31404  
 TI Dideoxynucleosides are less inhibitory in vitro against human immunodeficiency virus type 2 (**HIV-2**) than against **HIV**  
     -1  
 AU Richman, Douglas D.  
 CS Dep. Pathol., Univ. California San Diego, San Diego, CA, 92093, USA  
 SO Antimicrobial Agents and Chemotherapy (1987), 31(12), 1879-81  
     CODEN: AMACQ; ISSN: 0066-4804  
 DT Journal  
 LA English  
 IT **85326-06-3**, 2',3'-Dideoxyguanosine  
     RL: BIOL (Biological study)  
         (human immunodeficiency virus chemosensitivity to, strain difference in relation to)  
 RN 85326-06-3 CAPLUS  
 CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 126 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1987:628502 CAPLUS  
 DN 107:228502  
 TI Visna virus as an in vitro model for human immunodeficiency virus and inhibition by ribavirin, phosphonoformate, and 2',3'-dideoxynucleosides  
 AU Frank, Karl B.; McKernan, Patricia A.; Smith, Roberts A.; Smee, Donald F.  
 CS Nucleic Acid Res. Inst., Costa Mesa, CA, 92626, USA  
 SO Antimicrobial Agents and Chemotherapy (1987), 31(9), 1369-74  
     CODEN: AMACQ; ISSN: 0066-4804  
 DT Journal  
 LA English  
 IT **68726-28-3**  
     RL: BIOL (Biological study)  
         (reverse transcriptase inhibition by, of visna virus)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'-(tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 85326-06-3, Dideoxyguanosine

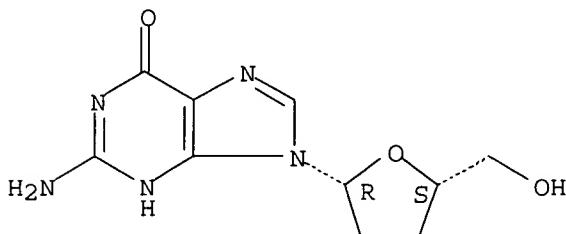
RL: BIOL (Biological study)

(visna virus replication inhibition by, human immunodeficiency virus infection therapy in relation to)

RN 85326-06-3 CAPLUS

CN Guanosine, 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 127 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1987:489353 CAPLUS

DN 107:89353

TI The 2',3'-dideoxyriboside of 2,6-diaminopurine and its 2',3'-didehydro derivative inhibit the deamination of 2',3'-dideoxyadenosine, an inhibitor of human immunodeficiency virus (HIV) replication

AU Balzarini, Jan; Robins, Morris J.; Zou, Ruiming; Herdewijn, Piet; De Clercq, Erik

CS Rega Inst. Med. Res., Kathol. Univ. Leuven, Louvain, B-3000, Belg.

SO Biochemical and Biophysical Research Communications (1987), 145(1), 277-83  
CODEN: BBRCA9; ISSN: 0006-291X

DT Journal

LA English

IT 107550-73-2

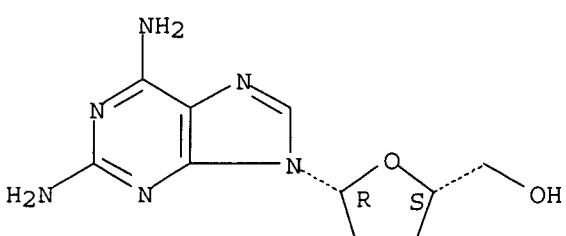
RL: BIOL (Biological study)

(adenosine deaminase inhibition by)

RN 107550-73-2 CAPLUS

CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

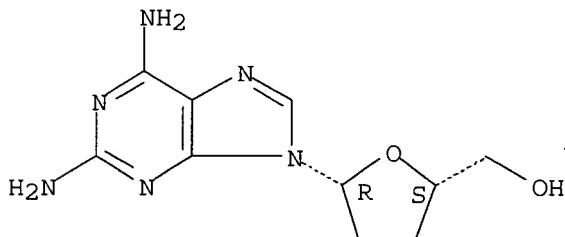
Absolute stereochemistry.



L6 ANSWER 128 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN

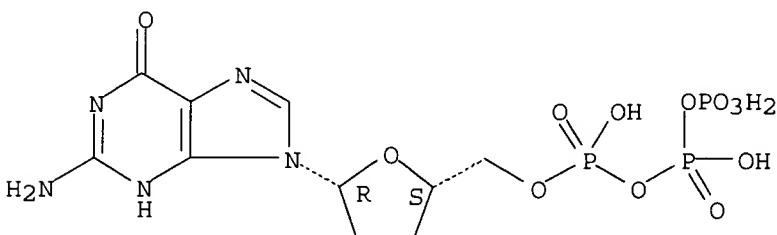
AN 1987:489352 CAPLUS  
 DN 107:89352  
 TI The 2',3'-dideoxyriboside of 2,6-diaminopurine selectively inhibits human immunodeficiency virus (**HIV**) replication in vitro  
 AU Balzarini, Jan; Pauwels, Rudi; Baba, Masanori; Robins, Morris J.; Zou, Ruiming; Herdewijne, Piet; De Clercq, Erik  
 CS Rega Inst. Med. Res., Kathol. Univ. Leuven, Louvain, B-3000, Belg.  
 SO Biochemical and Biophysical Research Communications (1987), 145(1), 269-76  
 CODEN: BBRCA9; ISSN: 0006-291X  
 DT Journal  
 LA English  
 IT 107550-73-2  
 RL: BIOL (Biological study)  
     (human immunodeficiency virus replication inhibition by, adenosine deaminase susceptibility of)  
 RN 107550-73-2 CAPLUS  
 CN Adenosine, 2-amino-2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L6 ANSWER 129 OF 129 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1987:152055 CAPLUS  
 DN 106:152055  
 TI Human immunodeficiency virus reverse transcriptase. General properties and its interactions with nucleoside triphosphate analogs  
 AU Cheng, Yung Chi; Dutschman, Ginger E.; Bastow, Kenneth F.; Sarngadharan, M. G.; Ting, Robert Y. C.  
 CS Sch. Med., Univ. North Carolina, Chapel Hill, NC, 27514, USA  
 SO Journal of Biological Chemistry (1987), 262(5), 2187-9  
 CODEN: JBCHA3; ISSN: 0021-9258  
 DT Journal  
 LA English  
 IT 68726-28-3  
 RL: BIOL (Biological study)  
     (reverse transcriptase of human immunodeficiency virus inhibition by)  
 RN 68726-28-3 CAPLUS  
 CN Guanosine 5'- (tetrahydrogen triphosphate), 2',3'-dideoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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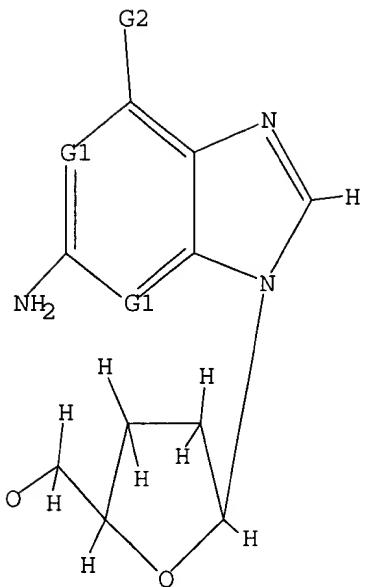
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\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
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=> d l1  
L1 HAS NO ANSWERS  
L1 STR



G1 C,N

G2 H,Cl,OH,NH2

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